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BLUEGIGA Bluetooth, Wi-Fi Modules and Devices



BLE112 4.0 LOW ENERGY BLUETOOTH MODULE

Bluetooth Low Energy Modules are single mode devices targeted for low power sensors and accessories. Bluetooth Low Energy Modules offer all Bluetooth low energy features—radio, stack, profiles, and application space for customer applications—so an external processor is not needed.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Bluetooth Specification	Bluetooth Class	Antenna Option	Chip	Firmware	Price Each			
								1	25	50	100
603-BLE112-A	BLE112-A	A	4.0	2	Integrated	Ti CC2540	Low Energy				
USB Dongle											
603-BLED112	BLED112	B	4.0	2	Integrated	Ti CC2540	Low Energy				
Development Kit											
Description											
603-DKBLE112	DKEBLE112		4.0 Low Energy Bluetooth Development Kit fir BLE112 Module						-	-	-

WT41 LONG RANGE BLUETOOTH MODULE

WT41 is truly a long range Bluetooth module offering impressive 1,000 meters range between two WT41 Bluetooth modules. The module utilizes Bluegiga's sophisticated radio frequency design methodologies and offers OEM's a trouble free product even with tight integration with surrounding electronics.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Bluetooth Specification	Bluetooth Class	Antenna Option	Chip	Firmware	Price Each			
								1	25	50	100
603-WT41-A-AI4	WT41-A-AI4	C	2.1 + EDR	1	Chip Antenna	BlueCore-04	iWRAP 4.0.0				
Development Kit											
Description											
603-EBWT41-A	EBWT41-A		WT41 Eval Board (one WT41 Eval Board, Onboard Installation Kit and serial cable)						-	-	-

WT32 BLUETOOTH AUDIO MODULE

WT32 is the latest generation of Bluetooth modules. It provides highest level of integration with integrated 2.4GHz radio, DSP, battery charger, stereo codec and antenna ready to hit mono and stereo applications. WT32 is also fully ready to support the latest Bluetooth 2.1 + EDR standard.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Bluetooth Specification	Bluetooth Class	Antenna Option	Chip	Firmware	Price Each			
								1	25	50	100
603-WT32-A-AI4	WT32-A-AI4	D	2.1 + EDR	2	Chip Antenna	BlueCore-05 Multimedia	iWRAP 4.0.0				
603-WT32-A-AI3	WT32-A-AI3	D	2.1 + EDR	2	Chip Antenna	BlueCore-05 Multimedia	iWRAP 3.0.0				
603-WT32-E-AI3	WT32-E-AI3	D	2.1 + EDR	2	W.FL Connector	BlueCore-05 Multimedia	iWRAP 3.0.0				
Development Kit											
Description											
603-EBWT32-A	EBWT32-A		WT32 Evaluation Board (1 WT32 Evaluation Board, stereo headphones, Onboard Installation Kit and USB/serial cable)						-	-	-

WT21 BLUETOOTH HCI MODULE

WT21 is intended at Bluetooth applications where a host processor is capable of running the Bluetooth software stack. WT21 only implements the low level Bluetooth Host Controller Interface (HCI) but still offers advantages of a module - easy implementation and certifications.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Bluetooth Specification	Bluetooth Class	Antenna Option	Chip	Firmware	Price Each			
								1	25	50	100
603-WT21-A-HCI	WT21-A-HCI	E	2.1 + EDR	1	Chip Antenna	BlueCore-06	HCI				

WT111 - CLASS 1 BLUETOOTH 2.1 +EDR MODULE



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Bluetooth Specification	Bluetooth Class	Antenna Option	Chip	Firmware	Price Each			
								1	25	50	100
603-WT111-A-AI	WT111-A-AI	F	2.1 + EDR	1	Chip Antenna	BlueCore-04	iWRAP 2.2				
603-WT111-A-AI3	WT111-A-AI3	F	2.1 + EDR	1	Chip Antenna	BlueCore-04	iWRAP 3.0				
603-WT111-A-AI4	WT111-A-AI4	F	2.1 + EDR	1	Chip Antenna	BlueCore-04	iWRAP 4.0				
603-WT111-E-AI4	WT111-E-AI4	F	2.1 + EDR	1	U.FL Connector	BlueCore-04	iWRAP 4.0				
Development Kit											
Description											
603-EBWT111-A	EBWT111-A		WT111-A Class 1 Bluetooth 2.1 + EDR Evaluation board						-	-	-

WT12 - CLASS 2 BLUETOOTH 2.1 + EDR MODULE

WT12 is a class 2, Bluetooth 2.1 + EDR module. It's a highly integrated Bluetooth module, containing all the necessary elements from Bluetooth radio to antenna, and a fully implemented iWRAP protocol stack.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Bluetooth Specification	Bluetooth Class	Antenna Option	Chip	Firmware	Price Each			
								1	25	50	100
603-WT12-A-AI4	WT12-A-AI4	G	2.0 + EDR, 2.1 + EDR	2	Chip Antenna	BlueCore-04	iWRAP 4.0.0				
603-WT12-A-AI3	WT12-A-AI3	G	2.0 + EDR, 2.1 + EDR	2	Chip Antenna	BlueCore-04	iWRAP 3.0.0				
603-WT12-A-AI	WT12-A-AI	G	2.0 + EDR, 2.1 + EDR	2	Chip Antenna	BlueCore-04	iWRAP 2.0.0				
Development Kit											
Description											
603-EKWT12-A	EKWT12-A		WT12 Evaluation Kit (2 Evaluation Boards, power adapters, serial cable and Onboard Installation Kit for module re-flashing)						-	-	-
603-EBWT12-A	EBWT12-A		WT12 Evaluation Board (one WT12 Evaluation Board, power adapter and serial cable)						-	-	-

WF111 WI-FI RADIO MODULES

WF111 is a fully integrated single 2.4GHz band 802.11 b/g/n module for portable and battery powered applications, where Wi-Fi connectivity is needed.

Features:

- IEEE802.11b/g/n
- Max. Data Rate: 72.2Mbps
- Dimensions: 12 x 19 x 2.1mm
- SDIO Drivers for Linux 2.6 and 3.x kernels



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Antenna Option	Host Interfaces	Supply Voltage (V)	Price Each					
						1	25	50	100		
603-WF111-A	WF111-A	H	Internal Antenna	SDIO, CSPI	1.8, 3.3						
603-WF111-E	WF111-E	-	External Antenna Connector	SDIO, CSPI	1.8, 3.3						
Development Board											
603-DKWF111	DKWF111	I	SDIO Eval Board						-	-	-

WF121 WI-FI STAND ALONE MODULES

WF121 is a stand-alone Wi-Fi module providing fully integrated 2.4GHz 802.11 b/g/n radio and a 32-bit microcontroller (MCU) platform for embedded applications requiring simple, low-cost and low-power wireless TCP/IP connectivity, also providing flexible interfaces for connecting to various peripherals.

Features:

- IEEE802.11b/g/n
- Max. Data Rate: 72.2Mbps
- Dimensions: 15.4 x 26.2 x 2.1mm
- Embedded Bluegiga Wi-Fi Software



For quantities greater than listed, call for quote.

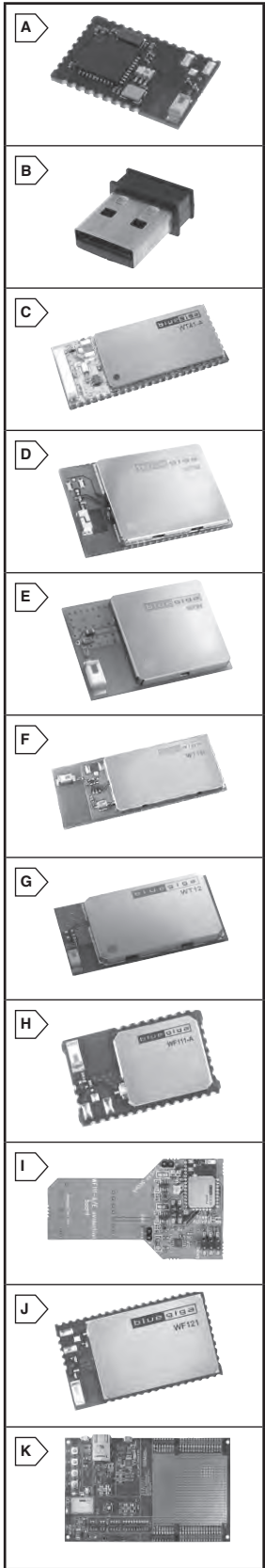
MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Antenna Option	Host Interfaces	Supply Voltage (V)	Price Each					
						1	25	50	100		
603-WF121-A	WF121-A	J	Internal Antenna	UART, USB	2.7 - 3.6						
603-WF121-E	WF121-E	-	External Antenna Connector	UART, USB	2.7 - 3.6						
Development Kit											
603-DKWF121	DKWF121	K	Development Kit						-	-	-

EHEALTH EVALUATION BOARDS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bluegiga Part No.	Description	Price Each		
			1	3	5
603-EBWT41-A-EHEALTH	EBWT41-A-eHealth	802.15.1 Modules and Development Tools WT41-A Eval Board with HDP firmware with IEEE Agents			
603-EBWT12-A-EHEALTH	EBWT12-A-eHealth	802.15.1 Modules and Development Tools WT12-A Eval Board with HDP firmware with IEEE Agents			



CEL Embedded RF Wireless Products



California Eastern Laboratories



802.15.41 ZIGBEE SOLUTIONS



This page of product is compliant.

California Eastern Laboratories

CEL's comprehensive line of ZigBee solutions includes ICs, modules, and software application packages designed for use in mesh, point-to-point, and point-to multipoint systems. They provide a fully integrated, easy-to-use transceiver solution for IEEE 802.15.4 networks. CEL ZigBee modules and ICs are ideal for remote sensing, AMR/AMI, home and building automation, and security applications.

Integrated RF Transceiver/MCU for ZigBee/IEEE 802.15.4/SNAP Networks

Key Features:

- Industry leading RF Link Budget @ 106dB
- Embedded 8051 Compatible MCU
- with 96KB/8KB Flash/RAM
- Scalable Data Rate: 250kbps for ZigBee, 500kbps
- Voice Codec Support
- 4 Level Power Management Scheme
- Single Voltage Operation of 1.9V to 3.3V
- Hardware MAC



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CEL Part No.	Operating Frequency (MHz)	Supply Voltage (V)	Output Power	Sensitivity	MCU	Flash Memory	Data Memory	Price Each			
									1	10	100	500
551-ZIC2410QN48	ZIC2410QN48	2400 to 2483	1.5-3.3V	+8dBm	-98dBm	8-bit	96KB	8KB				

Mesh Connect™ Modules - ZICM2410P0 Series

Key Features:

- Scalable Data Rate : 250kbps for Zigbee, 500kbps and 1Mbps
- Voice Codec Support: μ -law/a-law/ADPCM
- 4 Level Power Management Scheme with Deep Sleep Mode (0.3 μ A)
- 16 RF Channels
- Over 3000 feet of range
- AES 128-bit encryption
- Network: Mesh, Point to Point, Point to Multipoint



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CEL Part No.	Description	Transceiver Chipset	Fmax	I/O	Tx Power Output	Rx Sensitivity	Range	Vcc	Rx Current	Tx Current	Price Each			
												1	10	25	
551-ZICM2410P0-1	ZICM2410P0-1	PCB Trace Antenna	MeshConnect™	16MHz	22	+6dBm	-97dBm	3000+ft	2.1V-3.0V	35mA	44mA				
551-ZICM2410P0-1C	ZICM2410P0-1C	U.FL Conn. for Ext. Ant.	ZIC2410	16MHz	22	+6dBm	-97dBm	3000+ft	2.1V-3.0V	35mA	44mA				
551-ZICM2410P2-2	ZICM2410P2-2	PCB Trace Antenna	8-BIT, 8051	16MHz	20	+20dBm	-103dBm	16000+ft	2.1V-3.3V	38mA	200mA				
With SNAP Software															
551-ZICM2410P0-1-SN	ZICM2410P0-1-SN	PCB Trace Antenna	MeshConnect™	16MHz	22	+6dBm	-97dBm	3000+ft	2.1V-3.0V	35mA	44mA				
551-ZICM2410P0-1C-SN	ZICM2410P0-1C-SN	U.FL Conn. for Ext. Ant.	ZIC2410	16MHz	22	+6dBm	-97dBm	3000+ft	2.1V-3.0V	35mA	44mA				
Mesh Connect Development Kit															
551-ZICM2410P0KIT2-1	ZICM2410P0-KIT2-1	Engineering Dev. Kit	Description Eval Boards with Module-Network Analyzer-Univ AC/DC Power Supply-USB Cables-Software and Technical Information CD												
551-ZICM2410P2KIT1-1	ZICM2410P2-KIT1-1	Engineering Dev. Kit	Description Eval Boards with Module-USB Cables-Jumpers-Software and Technical Information CD												

Mesh Connect™ Module - ZICM357 Series

Key Features:

- Based on Ember EM357 system on a chip (SoC)
- Range: Up to 2.5 miles
- Network Speed: 250Kbps
- RF Channels: 15
- Networks: Mesh, Point to Point, and point to multipoint



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CEL Part No.	Description	Transceiver Chipset	Fmax	I/O	Tx Power Output	Rx Sensitivity	Range	Vcc	Rx Current	Tx Current	Price Each			
												1	10	25	
551-ZICM357P2-1	ZICM357P2-1	PCB Trace Antenna	Ember, EM357	24MHz	23	+20dBm	-100dBm	13000+ft	2.7V-3.6V	28mA	170mA				
Mesh Connect Evaluation Kit															
551-ZICM-EM35X-KIT-2	ZICM-EM35X-DEV-KIT-2	Development Kit	Description MeshConnect EM35x Ember Companion Kit for Ember EM35x Development Kit												
551-ZICM357P2-KIT-1	ZICM357P2-KIT-1	Engineering Dev. Kit	Description Eval Board with Modules (2), USB Cable, Software & Technical Information, Jumpers & Batteries												

FreeStar Transceiver Modules - ZFSM-101-2 Series

Key Features:

- Up to 100mW output power
- Low power consumption: 125mA @ 10mW output, 150mA @ 100mW
- Over 4000 feet of range
- Simple UART interface



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CEL Part No.	Description	Transceiver Chipset	Fmax	I/O	Network	Tx Power Output	Rx Sensitivity	Vcc	Rx Current	Tx Current	Price Each		
												1	10	25
551-ZFSM-101-2	ZFSM-101-2	PCB Trace Antenna	Freescale MC13202 8-bit	40MHz	8	Point to Point, Point to Multipoint, Mesh	+20dBm	-92dBm	2.4-3.6V	42mA	150mA			

Apex Evaluation Module

Module Features:

- Ember™ EM250 platform
- 128kB Flash memory
- 5kB SRAM
- 16-bit XAP2b microprocessor
- 16 general purpose I/O ports
- DMA - SPI, I²C and UART interface
- Integrated ADC with 12-bit resolution

Description	APEX	APEX LT	Description	APEX	APEX LT
Power Supply Voltage	3.6Vdc	3.6Vdc	Transmit Mode	170mA	170mA
RF Input Power	+10dBm	+10dBm	Receive Mode	37mA	37mA
RF Data Rate	250kbps	250kbps	Nominal Output Power	20dBm	20dBm
Flash Memory	128kB	--	Rec. Sens. (normal)	-96dBm	-96dBm
RAM	5kB	--			

MOUSER STOCK NO.	CEL Part No.	Description	Frequency Min./Max.	Price Each
551-ZAXM-201-KIT-1	ZAXM-201-KIT-1	100mW Apex Evaluation Kit	2400/2483.5	

DIGI INTERNATIONAL Embedded RF Wireless Products



Products may be RoHS compliant. Check mouser.com for RoHS status.

Easy-to-Use! No configuration is necessary for out-of-box RF operation. Simply feed data into one module, then the data is sent out the other end of the wireless link. If more advanced functionality is needed, the modules support an extensive set of AT commands.

MaxStream 900MHz solutions are certified for use in North American, but integrators in Europe must use Digi RF 2.4GHz solutions.

<p>XBee Specifications:</p> <ul style="list-style-type: none"> Indoor/Urban Range: Up to 133' (40m) Outdoor Line-of-Sight Range: Up to 400' (120m) Transmit Power: 1.25mW (+1dBm) Power-Down Current: <10µA Operating Frequency: 2.4GHz RF Data Rate: 250,000bps Receiver Sensitivity (1% PER) -96dBm in boost mode <div style="text-align: center;"> <p>RoHS Compliant</p> </div>	<p>XBee-Pro Specifications:</p> <ul style="list-style-type: none"> Indoor/Urban Range: Up to 300' (100m) Outdoor Line-of-Sight Range: Up to 2 miles (3200m) Transmit Power: 63mW (+18dBm) Power-Down Current: <10µA Operating Frequency: 2.4GHz RF Data Rate: 250,000bps Receiver Sensitivity (1% PER) -102dBm <div style="text-align: center;"> <p>RoHS Compliant</p> </div>
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XBEE® & XBEE-PRO® ZB RF MODULES

XBee and XBee-PRO ZB embedded SMT RF modules provide cost-effective wireless connectivity to electronic devices. They are interoperable with other ZigBee PRO feature set devices, including devices from other vendors. Programmable versions of the XBee-PRO ZB module make customizing applications easy. Programming directly on the module eliminates the need for a separate processor.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi International Part No.	Antenna Type	Transmit Current (mA)	Receive Current (mA)	Supply Voltage (VDC)	Price Each
XBee ZB SMT - Programmable						
888-XB24CZ7RISB003	XB24CZ7RISB003	RF Pad	35/45 @ 3.3VDC	38/40 @ 3.3VDC	2.1-3.6	
888-XB24CZ7PISB003	XB24CZ7PISB003	PCB	35/45 @ 3.3VDC	38/40 @ 3.3VDC	2.1-3.6	
888-XB24CZ7UISB003	XB24CZ7UISB003	U.FL	35/45 @ 3.3VDC	38/40 @ 3.3VDC	2.1-3.6	
XBee ZB SMT - Non-Programmable						
888-XB24CZ7PIS-004	XB24CZ7PIS-004	PCB	35/45 @ 3.3VDC	38/40 @ 3.3VDC	2.7-3.6	
888-XB24CZ7RIS-004	XB24CZ7RIS-004	RF Pad	35/45 @ 3.3VDC	38/40 @ 3.3VDC	2.7-3.6	
888-XB24CZ7UIS-004	XB24CZ7UIS-004	U.FL	35/45 @ 3.3VDC	38/40 @ 3.3VDC	2.7-3.6	
XBee 802.15.4 Low Power						
888-XB24-API-001	XB24-API-001	PCB	35/45 @ 3.3VDC	50 @ 3.3V	2.8-3.4	
888-XB24-AWI-001	XB24-AWI-001	Wire	35/45 @ 3.3VDC	50 @ 3.3V	2.8-3.4	
888-XB24-AUI-001	XB24-AUI-001	U.FL	35/45 @ 3.3VDC	50 @ 3.3V	2.8-3.4	
XBee-PRO Extended Range						
888-XBP24-BZ7PIT-004	XBP24BZ7PIT-004	PCB	205	47	2.7-3.6	
888-XBP24BZ7PIT-004J	XBP24BZ7PIT-004J	PCB	205	47	2.7-3.6	
888-XBP24-BZ7SIT-004	XBP24BZ7SIT-004	RPSMA	205	47	2.7-3.6	
888-XBP24BZ7UIT-004	XBP24BZ7UIT-004	U.FL	205	47	2.7-3.6	
888-XBP24-BZ7WIT-004	XBP24BZ7WIT-004	Wire	205	47	2.7-3.6	
888-XBP24BZ7WIT-004J	XBP24BZ7WIT-004J	Wire	205	47	2.7-3.6	
XBee-PRO Extended Range - Programmable						
888-XBP24BZ7PITB-003	XBP24BZ7PITB003	PCB	220	62	2.7-3.6	
888-XBP24BZ7SITB-003	XBP24BZ7SITB003	RPSMA	220	62	2.7-3.6	
888-XBP24BZ7UITB-003	XBP24BZ7UITB003	U.FL	220	62	2.7-3.6	
888-XBP24BZ7WITB-003	XBP24BZ7WITB003	Wire	220	62	2.7-3.6	
XBee-PRO ZB SMT - Programmable						
888-XBP24CZ7RISB003	XBP24CZ7RISB003	RF Pad	220	62	2.7-3.6	
888-XBP24CZ7PISB003	XBP24CZ7PISB003	PCB	220	62	2.7-3.6	
888-XBP24CZ7UISB003	XBP24CZ7UISB003	U.FL	220	62	2.7-3.6	
XBee-PRO ZB SMT - Non-Programmable						
888-XBP24CZ7PIS-004	XBP24CZ7PIS-004	PCB	205	47	2.7-3.6	
888-XBP24CZ7RIS-004	XBP24CZ7RIS-004	RF Pad	205	47	2.7-3.6	
888-XBP24CZ7UIS-004	XBP24CZ7UIS-004	U.FL	205	47	2.7-3.6	
XBee-PRO 802.15.4 Extended Range						
888-XBP24-API-001	XBP24-API-001	PCB	35/45 @ 3.3V	50/55 @ 3.3V	2.8-3.4	
888-XBP24-AWI-001	XBP24-AWI-001	Wire	35/45 @ 3.3VDC	50 @ 3.3V	2.7-3.6	
888-XBP24-AUI-001	XBP24-AUI-001	U.FL	35/45 @ 3.3VDC	50 @ 3.3V	2.7-3.6	

XBEE™ OEM RF MODULES



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi International Part No.	Antenna Type	Transmit Current (mA)	Receive Current (mA)	Supply Voltage (VDC)	Price Each
XBee 865LP Low Power RF						
888-XB8-DMRS-002	XB8-DMRS-002	RF Pad	48	27	2.7-3.6	
888-XB8-DMUS-002	XB8-DMUS-002	U.FL	48	27	2.7-3.6	
888-XB8-DPPS-001	XB8-DPPS-001	PCB	48	27	2.7-3.6	
888-XB8-DPRS-001	XB8-DPRS-001	RF Pad	48	27	2.7-3.6	
888-XB8-DPUS-001	XB8-DPUS-001	U.FL	48	27	2.7-3.6	
XBee-PRO 868 RF						
888-XBP08-DPWIT-024	XBP08-DPWIT-024	Wire	500 @ 3.3V	65	3.0-3.6	
860-XBP08-DPSIT-024	XBP08-DPSIT-024	RPSMA	500 @ 3.3V	65	3.0-3.6	
888-XBP08-DPUIT-024	XBP08-DPUIT-024	U.FL	500 @ 3.3V	65	3.0-3.6	
XBee-PRO XSC S3B 900MHz						
888-XBP9B-XCST-001	XBP9B-XCST-001	RPSMA	215	26	2.4-3.6	
888-XBP9B-XCST-002	XBP9B-XCST-002	RPSMA	215	26	2.4-3.6	
888-XBP9B-XCST-021	XBP9B-XCST-021	RPSMA	215	26	2.4-3.6	
888-XBP9B-XCST-022	XBP9B-XCST-022	RPSMA	215	26	2.4-3.6	
888-XBP9B-XCUT-001	XBP9B-XCUT-001	U.FL	215	26	2.4-3.6	
888-XBP9B-XCUT-002	XBP9B-XCUT-002	U.FL	215	26	2.4-3.6	
888-XBP9B-XCUT-021	XBP9B-XCUT-021	U.FL	215	26	2.4-3.6	
888-XBP9B-XCUT-022	XBP9B-XCUT-022	U.FL	215	26	2.4-3.6	
888-XBP9B-XCWT-001	XBP9B-XCWT-001	Wire	215	26	2.4-3.6	
888-XBP9B-XCWT-002	XBP9B-XCWT-002	Wire	215	26	2.4-3.6	
888-XBP9B-XCWT-021	XBP9B-XCWT-021	Wire	215	26	2.4-3.6	
888-XBP9B-XCWT-022	XBP9B-XCWT-022	Wire	215	26	2.4-3.6	
XBee DigiMesh 2.4 RF						
888-XB24-DMPIT-250	XB24-DMPIT-250	PCB	45	50	2.8-3.4	
XBee Wi-Fi						
888-XB24-WFPIT-001	XB24-WFPIT-001	PCB	Up to 260	140	3.1-3.6	
888-XB24-WFSIT-001	XB24-WFSIT-001	RPSMA	Up to 260	140	3.1-3.6	
888-XB24-WFUIT-001	XB24-WFUIT-001	U.FL	Up to 260	140	3.1-3.6	
888-XB24-WFWIT-001	XB24-WFWIT-001	Wire	Up to 260	140	3.1-3.6	

DIGI M10™ COMPACT SATELLITE MODEM

The Digi m10™ satellite module provides worldwide satellite data connectivity for a wide variety of asset-tracking and industrial remote communication applications. Small footprint satellite modem with global satellite connectivity is designed for a wide variety of asset tracking and remote device communication applications.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi International Part No.	Description	Price Each
860-DG-M10-KIT	DG-M10-KIT	JumpStart Development Kit includes Quick start guide, Free 90-day limited ORBCOMM connectivity, Digi m10 Satellite modem, telescopic antenna, 12' extension cable, development board, software CD, power supply and accessories	
860-DG-M10	DG-M10	Satellite module without antenna	

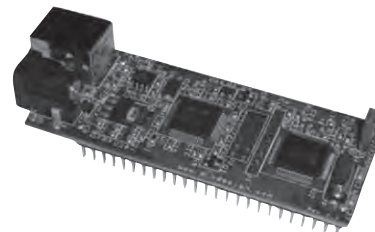
DLP DESIGN RFID and ZigBee™ Modules



Products may be RoHS compliant. Check mouser.com for RoHS status.

DLP USB/MICROCONTROLLER MODULE

The DLP-2232MSPF combines the same USB interface used in the DLP-2232H and the DLP-1232H modules with a Texas Instruments microcontroller with internal FRAM to form a rapid development tool. The MSP430FR5739 microcontroller is preprogrammed with basic functionality for accessing the port pins and can be reprogrammed with user firmware via a 12-pin header using the MSP-FET430UIF device programmer/debugger (purchased separately).



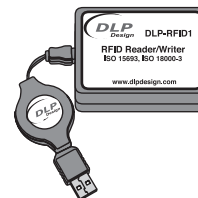
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	DLP Part No.	Description	Price Each	
			1	10
626-DLP-2232MSPF	DLP-2232MSPF	USB Interface Microcontroller Module		

DLP-RFID1 RFID READER AND WRITER

The DLP-RFID1 is a low-cost, USB-powered module for reading from and writing to ISO 15693, ISO 18000-3, and Tag-it™ intelligent RFID transponder tags. It has the ability to both read and write up to 256 bytes of data in addition to reading the unique identifier (UID/SID). All of the DLP-RFID1's electronics and antenna reside within the compact unit, and all operational power is taken from the host PC via the USB interface. The range of the internal antenna is up to 4 inches depending upon the size of the tag being read.

Retail Version



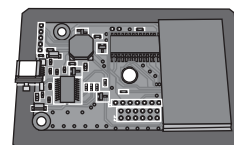
Applications:

- Real-Time Security
- Personal Identification
- Pharmaceutical Tracking
- Inventory/Asset Management and Tracking
- Library/Book Management & Tracking
- Baggage Tagging
- Sports Event Timing

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	DLP Part No.	Description	Price Each	
			1	10
626-DLP-RFID1-RG	DLP-RFID1-RG	Includes reader, retractable USB cable and an assortment of tags		
626-DLP-RFID1-OG	DLP-RFID1-OG	OEM Board Only		

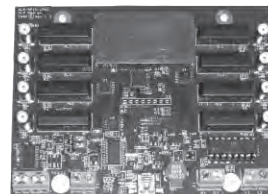
OEM Version



DLP-RFID-LP8C 8-CHANNEL RFID READER/WRITER

The DLP-RFID-LP8C is a low-cost, USB-powered module for reading from and writing to ISO 15693, ISO 18000-3 and Tag-it™ intelligent RFID transponder tags via up to eight external antennas. It has the ability to both read and write up to 256 bytes of data in addition to reading the unique identifier (UID/SID). All of the DLP-RFID-LP8C's electronics reside on a single, compact PCB, and all operational power is taken from the host Windows/Windows CE/ Linux PC via the USB interface. Up to eight external antennas can be connected via standard SMA connectors.

DLP-RFID-LP8C



Features:

- ISO 15693, 18000-3, 14443, Tag-it™ HF-I Compatible
- Can read the UID/SID of up to 15 Tags Simultaneously
- 13.56MHz Reader/Writer
- 8 Channels for External Antenna Connections
- FCC/IC/CE Modular Approvals in Place
- USB Port Powered from Windows, CE or Linux PC
- Both USB and RS232 Interfaces Provided
- USB Interface; No Driver Development Required for Windows, CE or Linux PC
- Operating Temperatures: 0°C to 70°C
- Dimensions: (L x W x H) 4.36" x 3.32" x 0.6

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	DLP Part No.	Description	Price Each	
			1	10
626-DLP-RFID-LP8C	DLP-RFID-LP8C	8-channel RFID reader		
626-DLP-RFID-ANT	DLP-RFID-ANT	Round Antenna with Coax, with 15-foot cable		
626-DLP-FANT	DLP-FANT	Ferrite Antenna, DLP-COAX1 needed		
626-DLP-COAX1	DLP-COAX1	Coax with RPSMA connector		

DLP-RFID-ANT



DLP 802.15.4/ZIGBEE™ READY MODULE

The DLP-RF2 OEM Module is a short-range, low-power, 2.4GHz, unlicensed worldwide ISM band transceiver designed around the IEEE 802.15.4 Wireless Standard. It supports point-to-point and star network configuration using preprogrammed firmware.



RoHS Compliant

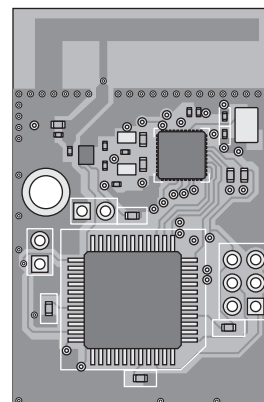
DLP-RF2 - 2.4 GHZ OEM RF Transceiver Module

The DLP-RF2 combines a Freescale™ MC13192 2.4GHz Direct-Sequence, Spread-Spectrum RF Transceiver IC and Freescale MC9S08GT60 microcontroller to form an IEEE 802.15.4 compliant, ZigBee™ ready, short-range transceiver module. The DLP-RF2 connects to user electronics via a standard, 20-pin male header.

The MC9S08GT60 microcontroller is preprogrammed with DLP Design's Serial Interface Packet Processor (SIPP™ firmware) for accessing the transceiver functions via simple serial calls. Interface to an external serial host microcontroller/DSP/FPGA, etc. is accomplished via a simple 2-wire (RX, TX, and ground) interface.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	DLP Part No.	Price Each			
		1	10	100	250
626-DLP-RF2-Z-G	DLP-RF2-Z-G				



RF and ZigBee™ Wireless Solutions and Kits



This product is RoHS compliant.

FREESCALE RF POWER FIELD EFFECT MOSFETS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Case	VDSS (V)	POUT (W)	f (MHz)	VSWR@ 50Vdc, 230 MHz	V(BR)DSS (V Min.)	IDSS (µA Max.)	Gps (Typ.)	ηD (Typ.)	IRL (dB)	Price Each	
												1	25
841-MRFE6VP6300HR5	MRFE6VP6300HR5	465M	50	300	130	65:1	125	5	25	80	-15		
841-MRFE6VP61K25HR5	MRFE6VP61K25HR5	NI-1230	50	1250	230	65:1	125	10	22.9	74.6	-15		

FREESCALE ZIGBEE WIRELESS SOLUTIONS

MC1320x Family of Generation II Transceivers

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Channels	Package	Supply Voltage (V)	Frequency Band (GHz)	Serial Interface	Application	Communication Protocol	Price Each			
									1	25	100	
841-MC13201FC	MC13201FC	16	1311 (QFN 32)	2 to 3.4	2.4	SPI	2.4GHz ISM	SIMPLE MAC				
841-MC13202FC	MC13202FC	16	1311 (QFN 32)	2 to 3.4	2.4	SPI	2.4GHz ISM, 802.15.4	IEEE 802.15.4				

MC1321x Family of System in a Package (SiP)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Channels	Package	Supply Voltage (V)	Frequency Band (GHz)	MCU Memory	Application	Communication Protocol	Price Each			
									1	25	100	
841-MC13211	MC13211	16	LGA, 71-pin	2 to 3.4	2.4	16KB	2.4GHz ISM	SIMPLE MAC				
841-MC13212	MC13212	16	LGA, 71-pin	2 to 3.4	2.4	32KB	2.4GHz ISM, 802.15.4	IEEE 802.15.4				
841-MC13213	MC13213	16	LGA, 71-pin	2 to 3.4	2.4	60KB	2.4GHz ISM, ZIGBEE	IEEE 802.15.4 or BeeStack				

MC1322x Platform in a Package (PIP)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Core	Flash	RAM / ROM	Channels	Package	Application	Communication Protocol	Price Each			
									1	25	100	
841-MC13224V	MC13224V	ARM7	128K	96K/80K	16	LGA, 99-pin	2.4GHz ISM Band	IEEE 802.15.4 MAC				

FREESCALE ZIGBEE DEVELOPMENT KITS

MOUSER STOCK NO.	Freescale Part No.	Description	Price Each
841-1320X-QE-DSK-BDM	1320X-QE-DSK-BDM	1320x QE Evaluation Kit with BDM Cable	
841-1320XRFC	1320XRFC	MC1320x RF Daughter Card	
841-1322XDSK-DBG	1322XDSK-DBG	1322x Developer's Starter Kit with J-LINK	
841-1322XNSK-DBG	1322XNSK-DBG	1322x Network Starter Kit with J-LINK	
841-1322XNSK-IAR	1322XNSK-IAR	1322x Network Starter Kit w/Baseline Version	
841-1322XUSB	1322XUSB	1322x USB Board	

ATMEL ZIGBIT MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Description	Interface	Operating Voltage (V)	Price Each
556-ATZB-24-A2R	ATZB-24-A2R	2.4GHz Module with Dual Chip Antenna	UART, 12C, SPI	1.8 - 3.6	
556-ATZB-24-B0R	ATZB-24-B0R	2.4GHz Module with Balanced RF Output	UART, 12C, SPI	1.8 - 3.6	
556-ATZB-900-B0R	ATZB-900-B0R	784/868/915MHz 802.15.4 Module with Balanced RF Output	UART, 12C, SPI	1.8 - 3.6	
556-ATZB-A24-U0R	ATZB-A24-U0R	2.4GHz 802.15.4 Power Amplified Module with Unbalanced RF output	UART, 12C, SPI	3 - 3.6	
556-ATZB-A24-UFLR	ATZB-A24-UFLR	2.4GHz 802.15.4 Power Amplified Module with U.FL Antenna Connector	UART, 12C, SPI	3 - 3.6	

GPS/GLONASS DIPLEXER



◆ Surface Mount Devices

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Freq. Bands Low/High (GHz)	Return Loss (Low/High Band (dB))	Price Each	
					1	10
◆ 511-DIP1524-01D3	DIP1524-01D3	FlipChip-4	1573MHz / 2.4GHz	10/20		

STMICROELECTRONICS BLUETOOTH® MODULES



Features:

- Bluetooth® radio
- Fully embedded Bluetooth w/ profiles
- Complete RF ready module
- ST micro Cortex-M3 microprocessor up to 72MHz
- Memory
- 256KB Flash memory
- 48KB RAM memory

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Operating Voltage (V)	I/O	Price Each
511-SPBT2532C2.AT2	SPBT2532C2.AT2	-0.3 to +5	4	
511-SPBT2632C2A.AT2	SPBT2632C2A.AT2	2.1 to 3.6	7	
511-SPBT2632C1A.AT2	SPBT2632C1A.AT2	2 to 3.6	16	

MURATA WIRELESS SYCHIP HIGH POWER ZIGBEE

Features:

- Low power operation: Sleep-1.2µA
- Transmit- 165A@20dBm
- Receive - 31mA
- Allows customers to use the ARM Cortex M3 processor for their own applications
- Best-in-class radio receive sensitivity at -103dBm
- FCC certified



MOUSER STOCK NO.	Murata Wireless Part No.	Processor	Freq. (GHz)	Output Power (dBm)	ADC	Antenna	Interface	Supply Voltage	Dimensions (mm)	Price Each			
										1	10	100	
81-88-00143-00	88-00143-00	ARM Cortex M3	2.45	+20	6x14-bit	Chip	I ² C, SPI, UART, GPIO	2.4-3.4	27.2x14.75				
81-88-00144-00	88-00144-00	Ember EM357	2.4	20	6x14-bit	External	I ² C, SPI, UART, GPIO	2.4-3.4	27.2x14.75x2.9				
Development Kit													
81-88-00143-85	88-00143-85	Evaluation Kit for SyChip SN3020 Zigbee Module - Includes 2 evaluation/development boards with SN3020 modules, 2 USB Cables, 1 RF Cable, and software									-	-	-
81-88-00144-85	88-00144-85	Evaluation Kit for SyChip SN3021 Zigbee Module									-	-	-

MURATA WIRELESS WIFI/BLUETOOTH MODULE

Chipset provides 802.11b/g/n and Bluetooth v4.0 with Bluetooth Low Energy connectivity. Pre-integrated to run with OMAP, SITARA, DaVinci, and Integra processors

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Wireless Part No.	Package	Chipset	WiFi Output Power (dBm)	WiFi Sensitivity (dBm)	Bluetooth Sensitivity (dBm)	Antenna	Supply Voltage	Dimensions (mm)	Price Each		
										1	10	100
81-LBEE5ZSTNC-523	LBEE5ZSTNC-523	LGA-62	TI WL1271L	+20	-88	-92	U.FL, Internal	2.7-4.3	17x10x2.2			

MURATA WIRELESS MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Wireless Part No.	Processor	Radio Chipset	Freq. (GHz)	Output Power (dBm)	Receiver Sensitivity (dBm)	Antenna	Interface	Supply Voltage	Dimensions (mm)	Price Each		
											1	10	100
81-88-00151-00	88-00151-00	STM32 ARM Cortex-M3	BCM43362	2.4	+17	-96	Internal	I ² C, SPI, UART, GPIO	2.4-3.6	30.5x19.4x2.9			
81-LBWA1ZZVK7-TEMP-D	LBWA1ZZVK7-TEMP-D	-	TI CC3000	2.4	+19.5	-88	External	SPI	2.7-4.3	16.5x11.5x2.2			
Development Kit													
81-88-00151-85	Eval Module Wifi	Evaluation Kit for SyChip SN8200 WiFi Module									-	-	-

MURATA MAGICSTRAP® UHF RFID MODULES



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Wireless Part No.	Type	Frequency Range (MHz)	EPC (bits)	User Memory (bits)	TID (bits)	Dim. (mm)	Price Each
81-LXMS31ACNA-009	LXMS31ACNA-009	1	865-955	Up to 240	512	64	3.2x1.6x0.7 max	
81-LXMS31ACNA-010	LXMS31ACNA-010	2	865-955	Up to 240	512	64	3.2x1.6x0.7 max	
81-LXMS31ACNA-011	LXMS31ACNA-011	3	865-955	Up to 240	512	64	3.2x1.6x0.7 max	
81-LXMS31ACNA-012	LXMS31ACNA-012	4	865-955	Up to 240	512	64	3.2x1.6x0.7 max	

LAIRD TECHNOLOGIES Wireless System Modules



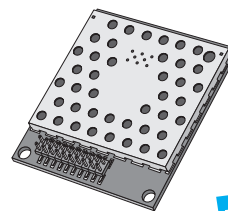
Products may be RoHS compliant. Check mouser.com for RoHS status.

AC4490/4790 SERIES - OEM TRANSCIVER MODULES

3.3V, 1 Watt Transmit

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Laird Technologies Part No.	Description	Price Each	
			1	50
AC4490 Series - Server/Client Protocol				
814-AC4490-1000M	AC4490-1000M	900MHz FHSS module with MMCX ant. connector		
814-AC4490LR-1000M	AC4490LR-1000M	900MHz FHSS module w/MMCX ant. connector, longer range version		
814-SDK-AC44901000M	SDK-AC4490-1000M	AC4490-1000M Developer Kit		-
AC4790 Series - Peer-to-Peer Protocol				
814-AC4790-1X1	AC4790-1X1	900MHz SMT FHSS module, not FCC approved		-
814-AC4790-1000M	AC4790-1000M	900MHz FHSS module with MMCX ant. connector		
814-AC4790LR-1000M	AC4790LR-1000M	900MHz FHSS module w/MMCX ant. connector, longer range version		
814-SDK-AC47901000M	SDK-AC4790-1000M	AC4790-1000M Developer Kit		-



PRODUCT **NEW**

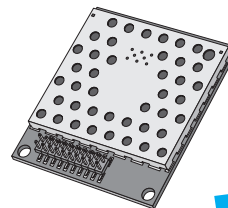
Compact AC4490 900MHz transceivers can replace miles of cable in harsh industrial environments. Using field-proven FHSS technology that needs no additional site licensing*, AC4490s reject interference, enable co-located system operation, increase output power and maintain data integrity.

AC4490s feature drop-in installation and a number of on-the-fly control commands, providing OEMs with a versatile interface for any application. They can be used as direct wire replacements, requiring no special host software for communication. All frequency hopping, synchronization and RF system data transmission/reception is performed by the transceiver.

3.3V-5.5V, 200mW Transmit

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Laird Technologies Part No.	Description	Price Each	
			1	50
AC4490 Series - Server/Client Protocol				
814-AC4490-200M	AC4490-200M	900MHz FHSS module with MMCX ant. connector		
814-AC4490LR-200M	AC4490LR-200M	900MHz FHSS module w/MMCX ant. connector, longer range version		
814-AC4490-200A	AC4490-200A	900MHz FHSS module with integral ant.		
814-AC4490200A5485	AC4490-200A-485	900MHz FHSS module with integral ant., RS485		
814-SDK-AC4490200M	SDK-AC4490-200M	AC4490-200M Developer Kit		-
814-SDK-AC4490200A	SDK-AC4490-200A	AC4490-200A Developer Kit		-
AC4790 Series - Peer-to-Peer Protocol				
814-AC4790-200M	AC4790-200M	900MHz FHSS module with MMCX ant. connector		
814-AC4790LR-200M	AC4790LR-200M	900MHz FHSS module w/MMCX ant. connector, longer range version		
814-AC4790-200M485	AC4790-200M-485	900MHz FHSS module with MMCX ant. connector, RS485		
814-AC4790-200A	AC4790-200A	900MHz FHSS module with integral ant.		
814-SDK-AC4790-200M	SDK-AC4790-200M	AC4790-200M Developer Kit		-



PRODUCT **NEW**

High-performance AC4790 transceivers utilize Laird's "masterless" protocol, allowing each transceiver to communicate with any other in-range transceiver for true peer-to-peer operation.

AC4790's protocol features a dynamic addressing scheme, which simplifies the most efficient transmission path, so OEMs can design routing sequences that optimize the RF network. This makes AC4790 ideal for a wide variety of industrial applications that must rely on smooth, constant data flow.

Accessories

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Laird Technologies Part No.	Description	Price Each	
			1	50
814-0700-00012	0700-00012	Amtec 20-pin Mating Connector for AC44XX		
814-0650-00005	0650-00005	Power Supply, 7.5 VDC, 1.5 A, Sw. Reg., 100 - 240 VAC input		
814-0600-00019	0600-00019	S467FL-5-RMM-915S, 1/2 wave, 7", 2dBi, RA, MMCX plug		
814-0600-00025	0600-00025	S467FL-5-RMM-915, 1/2 wave, 7", 2dBi, MMCX plug		
814-0600-00024	0600-00024	S467AH-915S, 1/2 wave, 7", 2dBi, RA, RPSMA		
814-0600-00028	0600-00028	S161AH-915R, 1/2 wave, 6", 2.5dBi, RA, RPSMA		
814-0600-00029	0600-00029	S161AH-915, 1/2 wave, 6", 2.5dBi, RPSMA		
814-0600-00030	0600-00030	S331AH-915, 1/4 wave, 3.5", 1dBi, RPSMA		
814-1300-00023	1300-00023	5" RG178 coax, RA MMCX plug to RPSMA bulkhead		
814-1300-00041	1300-00041	5" RG178 coax, u.FL plug to RPSMA bulkhead		

AC4486/4868 SERIES - OEM TRANSCIVER MODULES

Compact 868MHz transceivers can replace miles of cable in harsh environments. Using field-proven RF technology which needs no additional ETSI (Europe) licensing, OEMs with little or no previous RF experience can easily and quickly make existing systems wireless.

5mW Variable Modules

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Laird Tech Part No.	Description	Approved Countries	Price Each	
				1	50
814-AC4486-5M	AC4486-5M	868MHz transceiver, TTL serial RS232, 0-250mW, MMCX antenna	World Wide		
814-AC4486-5A	AC4486-5A	868MHz transceiver, TTL serial RS232, 0-250mW, integral antenna	World Wide		

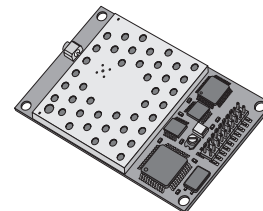


RoHS Compliant

868MHz Antennas and Accessories

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Laird Tech Part No.	Description	Approved Countries	Price Each	
				1	50
Antennas					
814-0600-00020	0600-00020	1/2 Wave Antenna, 7", 2dBi, RA, MMCX plug	-		
814-1300-00023	1300-00023	5" RG178 Coax Cable, RA MMCX plug to RPSMA bulkhead	-		
Accessories					
814-0700-00012	0700-00012	Samtec 20-pin mating connector	-		
814-0650-00005	0650-00005	Power Supply, 7.5VDC, 1.5A, Sw. Reg., 100-240VAC Input	-		

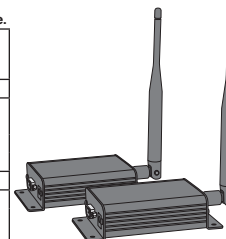


900MHZ/2.4GHZ CONNEX LINK™

ConnexLink stand-alone transceivers can be set up in minutes to virtually cut the cables between RS232 or RS485 devices. Their flexibility and price allow users to quickly upgrade wired terminals to cordless operation in industrial, commercial, even residential applications.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Laird Technologies Part No.	Description	Price Each	
			1	50
900MHz Models - 1000mW- Server/Client Protocol				
814-CL4490-232-C	CL4490-1000-232	Client Only Unit Kit includes Transceiver (Client Config.), RS-232 cable, Antenna, Power Supply and Software (Requires a Server Unit)		
814-CL4490-232-SP	CL4490-1000-232-SP	Starter Pack includes both a Server and Client Unit, RS-232 cables, Antennas, Power Supplies and Software		
814-CL4490-1000PROSP	CL4490-1000-PRO-SP	900MHz RS232/RS485/RS422 Switching InterfC Transvr Starter Pack 1.0 Watt (Server/Client protocol)		
900MHz Models - 1000mW- Peer-to-Peer Protocol				
814-CL4790-232	CL4790-1000-232	Single Unit Kit (Peer to Peer Protocol) includes Transceiver, RS-232 cable, Antenna, Power Supply and Software		
814-CL4790-232-SP	CL4790-1000-232-SP	Starter Pack (Peer to Peer Protocol) includes Two Transceiver Units, RS-232 cables, Antennas, Power Supplies and Software		
Connex Link™ Accessories				
814-1300-00032	1300-00032	Null-Modem Cable (replaces standard cable if connecting Aerocomm units to DCE devices)		



WIRELESS ETHERNET BRIDGE CONNEXLAN 400

Based on Laird Technologies' WISM+ 802.11 embedded module, the CL400 series of wireless Ethernet bridges provide outstanding data throughput over long ranges in a ruggedized industrial package. The CL400 Ethernet Bridge products are ideal for users looking for a simple to use wireless Ethernet bridge. Available with an AC power adapter, standard RJ-45 Ethernet jack and antennas, the CL400 come prepackaged with all necessary accessories. With no configuration necessary, users can simply plug in their Ethernet cable and apply power and have a wireless bridge at distance up to 1 mile and speeds up to 11Mbps. Optimized for point-to-point bridge connections the CL400 starter packs come pre-configured to communicate over a WPA2-CCMP encrypted secure 802.11 RF channel. The intelligent devices will optimize link speeds according to the RF conditions and distances between the units.

Features:

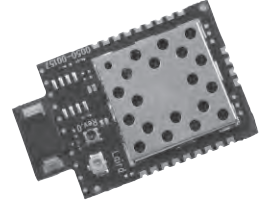
- Easy to use, no configuration necessary
- Auto Sensing interface for connection to peripherals or network devices
- AES encrypted wireless link
- Line of sight distances up to 1 mile
- Standard 10/100 RJ-45 Ethernet Jack
- Optimized RF Data rates dependant on conditions
- RF Speeds up to 11Mbps

MOUSER STOCK NO.	Laird Tech Part No.	Description	Approved Countries	Price Each
814-CL400-SP	CL400-SP	Wifi Ethernet Bridge Starter Pak-Americas	USA	

FLEXRF® 915MHZ AND 2.4GHZ WIRELESS MODULES

Laird Technologies' fifth generation 2.4GHz FHSS module sets the standard for industrial RF communication. Based on proprietary FlexRF™ technology, this globally-accepted module will exceed most OEM application and performance requirements. Embedded with Laird Technologies' robust server-client protocol, the LT2510 permits each module to communicate with any other in-range module for true peer-to-peer operation. "Out of range" modules can be reached via a meshing topology. The configuration and test software enables OEMs to structure and optimize the network to suit their application.

Laird Technologies' third generation 915MHz FHSS module sets yet another standard for industrial RF communication. Based on proprietary FlexRF™ technology, this globally-accepted module will exceed most OEM application and performance. From the OEM integrator's point of view, the LT1110's interface (API, configuration, etc) is 100% compatible with the LT2510 allowing the OEM to choose either 915MHz or 2.4GHz. The enhanced API commands provide packet routing control and network intelligence. With its field-proven proprietary FHSS RF protocol and increased penetration at 915 MHz, the LT1110 rejects RF noise, excels in multipath scenarios, allows for co-located systems, and provides an extremely reliable communication link.



MOUSER STOCK NO.	Laird Tech Part No.	Description	Approved Countries	Price Each	
				1	50
LT2510 24GHz RF Module and Kit					
814-DVK-PRM210	DVK-PRM210	RF Modules and Development Tools 3.3VTTL 10mW SMT KIT U.FL Jack	Worldwide		-
LT1110 915MHz Wireless Modules					
814-PRM210	PRM210	RF Modules and Development Tools 900MHz SMT 3.3V TTL 10mW U.FL Jack	Worldwide		
814-PRM211	PRM211	915MHz SMT 3.3V TTL 10mW Chip Antenna	Worldwide		
814-PRM220	PRM220	Pluggable 3.3V TTL 915MHz 10mW U.FL Jack	Worldwide		
814-PRM221	PRM221	Pluggable 3.3V TTL 915MHz 10mW Chip Ant	Worldwide		
814-PRM240	PRM240	900MHz OEM Transceiver Plug, 3.3V 200mW u.FL Jack	Worldwide		
814-PRM241	PRM241	900MHz OEM Transceiver Plug, 3.3V 200mW Chip Ant	Worldwide		
LT1110 915MHz Developer Kit and Evaluation Boards					
814-DVK-PRM211	DVK-PRM211	LT1110 Development Kit 3.3VTTLSerial SMTKIT 10mW Chip Ant	Worldwide		-
814-EVB-PRM211-U	EVB-PRM211-U	LT1110 USB Evaluation Board 3.3V TTL Serial Eval Board 10mW Chip Ant	Worldwide		-
814-EVB-PRM211-R	EVB-PRM211-R	LT1110 RS232 Evaluation Board 3.3V TTL Serial Eval Board 10mW Chip Ant	Worldwide		-
814-DVK-PRM220	DVK-PRM220	LT1110 Development Kit 3.3V TTL Serial Plug KIT 10mW u.FL Jack	Worldwide		-
814-DVK-PRM221	DVK-PRM221	LT1110 Development Kit 3.3V TTL Serial Plug KIT 10mW Chip Ant	Worldwide		-
814-EVB-PRM210-U	EVB-PRM210-U	LT1110 USB Evaluation Board 3.3V TTL Eval Brd 10mW u.FL Jack	Worldwide		-
814-EVB-PRM210-R	EVB-PRM210-R	LT1110 RS232 Evaluation Board 3.3V TTL Eval Brd 10mW u.FL Jack	Worldwide		-
814-DVK-PRM240	DVK-PRM240	LT1110 Developer Kit Plug, 3.3V 200mW u.FL Jack	Worldwide		-
814-DVK-PRM241	DVK-PRM241	LT1110 Developer Kit Plug, 3.3V 200mW Chip Ant	Worldwide		-

BLUETOOTH MODULE KIT

The development board allows the Laird Bluetooth or Wireless W-LAN Module to be connected to a PC. The development board provides RS-232 level conversion through a standard 9 way D type connector to all pins of the 40 way and a 50 way Hirose connectors used by Bluetooth or Wireless LAN interface.

MOUSER STOCK NO.	Laird Tech Part No.	Description	Price Each
239-BISDK02BI-02	BISDK02BI-02	BISMII and High Speed USB adapter	
Accessories			
239-ACC-005	ACC-005	Winbond W681360 Audio Codec Board	
239-CWAA-00007-02	CWAA-00007-02	5.1mm black 1K - pcs Mounting Pillars	

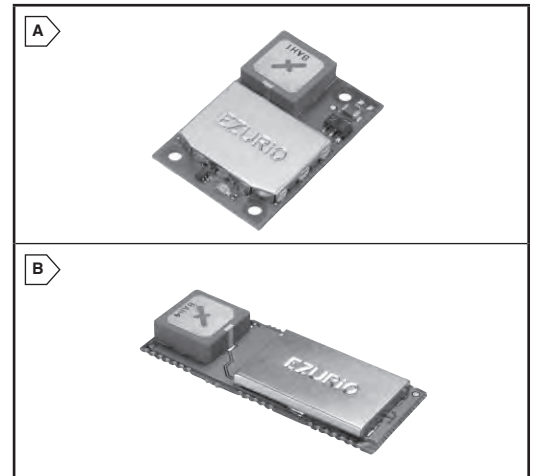


BLUETOOTH MODULES

Laird's Bluetooth embedded modules are designed with compatibility in mind. Laird's Bluetooth Intelligent Serial technology. The pin configuration and physical dimensions of both the Wireless Module (BISM) are the same giving you the choice of wireless.



MOUSER STOCK NO.	Laird Tech Part No.	Fig.	Description	Price Each
239-BTM431	BTM431	-	Bluetooth AT Data Module, Internal Antenna w/ BISM II	
239-BTM443	BTM443	-	Bluetooth AT Data Module, Internal Antenna, Enhanced	
239-DVK-BTM431	DVK-BTM431	-	Bluetooth Dev Kit for BTM431	
239-DVK-BTM443	DVK-BTM443	-	Bluetooth Dev Kit for BTM443	
239-TRBLU23-00200	TRBLU23-00200	A	BISMII Bluetooth v2.0 Module	
239-TRBLU23-00300	TRBLU23-00300	A	BISMII - uFL connector	
239-BTM411	BTM411	-	Class 2 Bluetooth AT Data Module, Internal Antenna	
239-DVK-BTM411	DVK-BTM411	-	Bluetooth AT Data Module, Internal Antenna Dev Kit	
239-BTM402	BTM402	A	BISM II - Power Amp (PA)	
239-BISMS02BI	BISMS02BI	B	Surface Mount BISM II	
239-BISMS02BI-NA	BISMS02BI-NA	B	Surface Mount BISM II - uFL connector	
239-BRBLU03-010A0	BRBLU03-010A0	-	High Speed Bluetooth USB Adapter	
239-BTM410	BTM410	-	BlueTooth DATA Module AT Module	
239-DVK-BTM410	DVK-BTM410	-	Dev Kit/BlueTooth DATA Module AT Module	
239-BTM421	BTM421	-	BlueTooth DATA Module HCI	
239-DVK-BTM421	DVK-BTM421	-	Dev Kit/BlueTooth DATA Module HCI	
239-BTM511	BTM511	-	BlueTooth Multimedia, (formerly BlueTooth Voice)	



LINX TECHNOLOGIES RF Modules and Dev Systems



Products may be RoHS compliant. Check mouser.com for RoHS status.

Linx RF modules make it easy and cost-effective to add wireless capabilities to your product. Linx modules contain all the components necessary for the transmission of RF. Since no external components (except an antenna) are needed, the modules are easily applied, even by persons without previous RF design experience. This conserves valuable engineering resources and greatly reduces the product's time to market.

PROPRIETARY WIRELESS MODULES

MOUSER STOCK NO.		Fig.	Description	Frequency (MHz)	Vcc (V)	Icc (mA) Typ.	Max Data Range (bps)	Interface Type	Price Each		
Mfr.	Mfr. Part No.								1	25	100
712	—TRM-433-DP1203	A	1203 Series Radio Transceiver Module	433	2.4 to 3.6	62	152,000	3 Wire			
712	—TRM-868-DP1203	A	1203 Series Radio Transceiver Module	868	2.4 to 3.6	62	152,000	3 Wire			
712	—TRM-915-DP1203	A	1203 Series Radio Transceiver Module	915	2.4 to 3.6	62	152,000	3 Wire			
712	—TRM-868-EUR	B	European Wireless Serial Engine Module	868	2.7 to 3.6	58	76,000	UART			
712	—TRM-915-DTS	B	Wireless RF Transceiver Module	915	2.7 to 3.6	72	100,000	UART			
712	—TRM-915-R25	C	Wireless Serial Engine (XE1203F)	915	3 to 3.6	65	153,000	UART			
712	—TRM-915-R250	C	Wireless Serial Engine (ADF7020)	915	3 to 3.6	190	153,000	UART			
Development Tools									1		
712—EVM-915-250-FCS 712—EVM-915-250-FCR 712—EVM-915-025-FCR 712—EVM-915-250-CFS 712—EVM-915-DTS-FCS 712—EVM-915-DTS-FCR									TRM-915-R250 Evaluation Module, 915MHz, Straight Angle TRM-915-R250 Evaluation Module, 915MHz, Right Angle TRM-915-R25 Evaluation Module, 915MHz, Right Angle TRM-915-R250 Eval. Module, CoFeTel, 915MHz, Straight Angle Wi.232DTS-R Evaluation Module, 915MHz, Straight Angle Wi.232DTS-R Evaluation Module, 915MHz, Right Angle		

NT SERIES - TRUE TRANSPARENCY™ TRANSCIEVER MODULES

MOUSER STOCK NO.		Fig.	Description	Frequency (MHz)	Vcc (V)	Icc (mA) Typ.	Max Data Range (bps)	Pkg.	Price Each		
Mfr.	Mfr. Part No.								1	25	100
712	—TRM-900-NT	D	RF Transceiver Module	900	2.5-5.5	33.9	300,000	SMD			
NT Series Development and Evaluation Systems									1		
712—MDEV-900-NT									NT Series Master Development System, 900MHz, USB Module		

LT SERIES - LONG RANGE RF TRANSCIEVER MODULES

MOUSER STOCK NO.		Fig.	Description	Frequency (MHz)	Vcc (V)	Icc (mA) Typ.	Analog Range	Max Data Range (bps)	Pkg.	Price Each		
Mfr.	Mfr. Part No.									1	25	50
712	—TRM-315-LT	E	RF Transceiver Module	315	2.1-3.6	9.5/7.9	-	10,000	SMD			
712	—TRM-418-LT	E	RF Transceiver Module	418	2.1-3.6	9.5/7.9	-	10,000	SMD			
712	—TRM-433-LT	E	RF Transceiver Module	433.92	2.1-3.6	9.5/7.9	-	10,000	SMD			
GPS Development and Evaluation Systems									1			
712—EVAL-315-LT 712—EVAL-418-LT 712—EVAL-433-LT									LT Series Basic Evaluation Kit 315MHz LT Series Basic Evaluation Kit 418MHz LT Series Basic Evaluation Kit 433MHz			

LR SERIES - LONG RANGE WIRELESS COMMUNICATION MODULES

MOUSER STOCK NO.		Fig.	Description	Frequency (MHz)	Vcc (V)	Icc (mA) Typ.	Analog Range	Max Data Range (bps)	Pkg.	Price Each		
Mfr.	Mfr. Part No.									1	25	50
712	—TXM-315-LR	F	RF Transmitter Module	315	2.1-3.6	3.4	-	10,000	SMD			
712	—TXM-418-LR	F	RF Transmitter Module	418	2.1-3.6	3.4	-	10,000	SMD			
712	—TXM-433-LR	F	RF Transmitter Module	433.92	2.1-3.6	3.4	-	10,000	SMD			
712	—RXM-315-LR	G	RF Receiver Module	315	2.7-3.6	5.2	50Hz-5kHz	10,000	SMD			
712	—RXM-418-LR	G	RF Receiver Module	418	2.7-3.6	5.2	50Hz-5kHz	10,000	SMD			
712	—RXM-433-LR	G	RF Receiver Module	433.92	2.7-3.6	5.2	50Hz-5kHz	10,000	SMD			
LR Series Development and Evaluation Systems									1			
712—EVAL-315-LR 712—EVAL-433-LR									LR Series Basic Evaluation Kit 315MHz LR Series Basic Evaluation Kit 433MHz			

LC SERIES - LOW COST RF TRANSMITTER MODULES

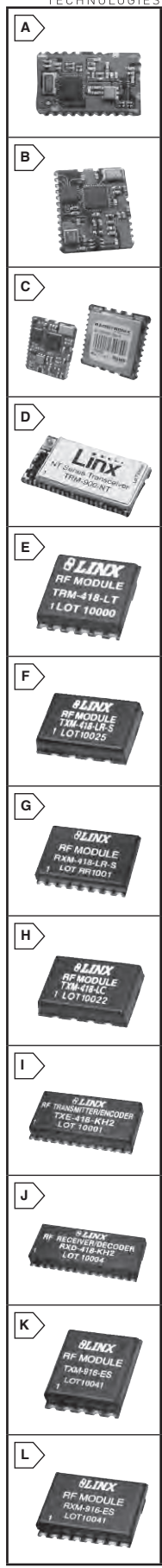
MOUSER STOCK NO.		Fig.	Description	Frequency (MHz)	Vcc (V)	Icc (mA) Typ.	Analog Range	Max Data Range (bps)	Pkg.	Price Each		
Mfr.	Mfr. Part No.									1	25	50
712	—TXM-315-LC	H	RF Transmitter Module	315	2.7-5.2	3.0	-	5,000	SMD			
712	—TXM-418-LC	H	RF Transmitter Module	418	2.7-5.2	3.0	-	5,000	SMD			
712	—TXM-433-LC	H	RF Transmitter Module	433.92	2.7-5.2	3.0	-	5,000	SMD			
LC Series Development and Evaluation Systems									1			
712—EVAL-315-LC 712—EVAL-418-LC 712—EVAL-433-LC									LC Series Basic Evaluation Kit 315MHz LC Series Basic Evaluation Kit 418MHz LC Series Basic Evaluation Kit 433MHz			

KH2 SERIES - RF TRANSMITTERS & RECEIVERS WITH INTEGRATED ENCODER & DECODER CHIPS

MOUSER STOCK NO.		Fig.	Description	Frequency (MHz)	Vcc (V)	Icc (mA) Typ.	Analog Range	Max Data Range (bps)	Pkg.	Price Each		
Mfr.	Mfr. Part No.									1	25	50
712	—TXE-315-KH2	I	RF Transmitter/Encoder Module	315	2.7-5.2	1.5	-	5,000	SMD			
712	—TXE-418-KH2	I	RF Transmitter/Encoder Module	418	2.7-5.2	1.5	-	5,000	SMD			
712	—TXE-433-KH2	I	RF Transmitter/Encoder Module	433.92	2.7-5.2	1.5	-	5,000	SMD			
712	—RXD-315-KH2	J	RF Receiver/Decoder Module	315	2.7-3.6	5.2	50Hz-5kHz	10,000	SMD			
712	—RXD-418-KH2	J	RF Receiver/Decoder Module	418	2.7-3.6	5.2	50Hz-5kHz	10,000	SMD			
712	—RXD-433-KH2	J	RF Receiver/Decoder Module	433.92	2.7-3.6	5.2	50Hz-5kHz	10,000	SMD			
KH2 Series Development and Evaluation Systems									1			
712—EVAL-315-KH2 712—EVAL-418-KH2 712—EVAL-433-KH2									KH2 Series Basic Evaluation Kit 315MHz KH2 Series Basic Evaluation Kit 418MHz KH2 Series Basic Evaluation Kit 433MHz			

ES SERIES - DIGITAL AND ANALOG WIRELESS MODULES

MOUSER STOCK NO.		Fig.	Description	Frequency (MHz)	Vcc (V)	Icc (mA) Typ.	Analog Range	Max Data Range (bps)	Pkg.	Price Each		
Mfr.	Mfr. Part No.									1	25	50
712	—TXM-869-ES	K	RF Transmitter Module	869.85	2.1-4.0	7.0	20Hz-28kHz	56,000	SMD			
712	—TXM-916-ES	K	RF Transmitter Module	916.48	2.1-4.0	7.0	20Hz-28kHz	56,000	SMD			
712	—RXM-869-ES	L	RF Receiver Module	869.85	4.5-5.5	6.0	20Hz-28kHz	56,000	SMD			
712	—RXM-916-ES	L	RF Receiver Module	916.48	4.5-5.5	6.0	20Hz-28kHz	56,000	SMD			
ES Series Development and Evaluation Systems									1			
712—EVAL-869-ES 712—MDEV-869-ESRS232 712—MDEV-869-ES-USB 712—MDEV-916-ESRS232 712—MDEV-916-ES-USB									ES Series Basic Evaluation Kit 869MHz ES Series - Master Development System 869MHz, RS232 Module ES Series - Master Development System 869MHz, USB Module ES Series - Master Development System 916MHz, RS232 Module ES Series - Master Development System 916MHz, USB Module			



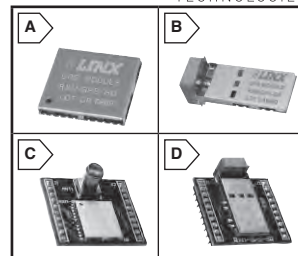
Products may be RoHS compliant. Check mouser.com for RoHS status.

EMBEDDED GPS MODULES



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Fig.	Description	Frequency (MHz)	Vcc (V)	Icc (mA)	Typ.	Analog Range	Max Data Range (bps)	Pkg.	Price Each		
											1	25	50
712-RXM-GPS-SG-B	A		SG Series GPS Receiver Module - Bulk	1575.42	3.0-4.2	46/28	-	-	-	SMD			
712-RXM-GPS-SR-B	B		SR Series GPS Receiver w/Integrated Antenna-Bulk	1575.42	3.0-4.2	46/28	-	-	-	SMD			
GPS Development Tool Kits													
712-ASY-MDEVPSSG-DB	C		Contains 1 solderless breadboard, SG Series GPS module, SMA connector and a ferrite bead										
712-ASY-MDEVPSSR-DB	D		Surface mount SR Series GPS module on a single board with through-hole headers										
GPS Development Systems													
712-MDEV-GPS-SG			SG Master Development System									1	
712-MDEV-GPS-SR			SR Master Development System										



USB INTERFACE MODULES

The Linx QS Series USB module allows the rapid addition of USB to virtually any device. Housed in a compact SMD package, the module provides a complete solution for converting between USB and serial sources, including microprocessors, RS-232/RS-485 level converters, or RF modules.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Linx Tech. Part No.	Description	Price Each		
			1	10	50
712-SDM-USB-QS-S	SDM-USB-QS-S	USB Module			
712-MDEV-USB-QS	MDEV-USB-QS	QS Series - Master Development System			

REMOTE CONTROL AND COMMAND ICs

Linx offers a wide range of ICs designed to simplify such diverse tasks as encoding and decoding, interface, and discreet RF implementations. Linx ICs offer a range of unique features and the availability of Cipherlinx encryption for applications requiring high security.



High Security Encrypted Remote Control Encoder and Decoder ICs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Linx Tech. Part No.	Description	Price Each		
			1	10	50
712-LICAL-DEC-HS001	LICAL-DEC-HS001	HS Series Decoder			
712-LICAL-ENC-HS001	LICAL-ENC-HS001	HS Series Encoder			
712-MDEV-LICAL-HS	MDEV-LICAL-HS	HS Series Master Development Kit			

Medium Security 8 Function Remote Control Encoder and Decoder ICs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Linx Tech. Part No.	Description	Price Each		
			1	10	50
712-LICAL-DEC-MS001	LICAL-DEC-MS001	MS Series Decoder			
712-LICAL-ENC-MS001	LICAL-ENC-MS001	MS Series Encoder			
712-MDEV-LICAL-MS	MDEV-LICAL-MS	MS Series Master Development Kit			
712-MDEV-LICAL-MS-ES	MDEV-LICAL-MS-ES	MS Series Master Development Kit with ES RF Modules			

Basic Remote Control Encoder and Decoder ICs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Linx Tech. Part No.	Description	Price Each		
			1	10	50
712-LICAL-DEC-LS001	LICAL-DEC-LS001	LS Series Decoder			
712-LICAL-ENC-LS001	LICAL-ENC-LS001	LS Series Encoder			

Bi-Directional Remote Control Transceiver ICs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Linx Tech. Part No.	Description	Price Each		
			1	10	50
712-LICAL-TRC-MT	LICAL-TRC-MT	MT Series Transceiver			
712-MDEV-LICAL-MT	MDEV-LICAL-MT	MT Series Master Development Kit			

OEM PRODUCTS

Linx pre-certified OEM products save you time and money by eliminating design, certification and tooling costs. They are ideal for remote control or command applications where the user would press a button on one end and perform an action on the other end.



HS Family

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Linx Tech. Part No.	Description	Price Each		
			1	10	50
712-OTX-418-HH-LR8HS	OTX-418-HH-LR8-HS	HS 8 Button Long-Range Handheld Transmitter 418MHz			
712-MDEV-418-HHLR8HS	MDEV-418-HH-LR8-HS	HS Long-Range Handheld Transmitter Development System 418MHz			
712-MDEV-433-HHLR8HS	MDEV-433-HH-LR8-HS	HS Long-Range Handheld Transmitter Development System 433MHz			

MS Family

For quantities greater than listed, call for quote.

712-OTX-433-HH-KF1MS	OTX-433-HH-KF1-MS	1 Button MS Keyfob Transmitter 433MHz			
712-OTX-418-HH-KF2MS	OTX-418-HH-KF2-MS	2 Button MS Keyfob Transmitter 418MHz			
712-OTX-315-HH-KF5MS	OTX-315-HH-KF5-MS	5 Button MS Keyfob Transmitter 315MHz			
712-OTX-418-HH-KF5MS	OTX-418-HH-KF5-MS	5 Button MS Keyfob Transmitter 418MHz			
712-OTX-433-HH-KF5MS	OTX-433-HH-KF5-MS	5 Button MS Keyfob Transmitter 433MHz			
712-OTX-433-HH-CP8MS	OTX-433-HH-CP8-MS	MS 8 Button Compact Handheld Transmitter 433MHz			
712-OTX-418-HH-LR8MS	OTX-418-HH-LR8-MS	MS 8 Button Long-Range Handheld Transmitter 418MHz			
712-OTX-433-HH-LR8MS	OTX-433-HH-LR8-MS	MS 8 Button Long-Range Handheld Transmitter 433MHz			
712-MDEV-418-HHCP8MS	MDEV-418-HH-CP8-MS	MS Compact Handheld Transmitter Development System 418MHz			
712-MDEV-418-HHLR8MS	MDEV-418-HH-LR8-MS	MS Long-Range Handheld Transmitter Development System 418MHz			
712-MDEV-433-HHLR8MS	MDEV-433-HH-LR8-MS	MS Long-Range Handheld Transmitter Development System 433MHz			

Holtek Family

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Linx Tech. Part No.	Description	Price Each		
			1	25	50
712-CMD-KEY2-418	CMD-KEY2-418	2 Button Black Keyfob Transmitter 418MHz			
712-CMD-KEY2-433	CMD-KEY2-433	2 Button Black Keyfob Transmitter 433MHz			
712-CMD-KEY4-418	CMD-KEY4-418	4 Button Black Keyfob Transmitter 418MHz			
712-CMD-KEY5-315	CMD-KEY5-315	5 Button Black Keyfob Transmitter 315MHz			
712-CMD-KEY5-418	CMD-KEY5-418	5 Button Black Keyfob Transmitter 418MHz			
712-CMD-KEY5-433	CMD-KEY5-433	5 Button Black Keyfob Transmitter 433MHz			
712-CMD-HHCP-315-MD	CMD-HHCP-315-MD	8 Button Compact Handheld Transmitter with Metal Dome Switches 315MHz			
712-CMD-HHCP-418-MD	CMD-HHCP-418-MD	8 Button Compact Handheld Transmitter with Metal Dome Switches 418MHz			
712-CMD-HHCP-433-MD	CMD-HHCP-433-MD	8 Button Compact Handheld Transmitter with Metal Dome Switches 433MHz			
712-CMD-HHLR-315-MD	CMD-HHLR-315-MD	8 Button Long-Range Handheld Transmitter with Metal Dome Switches 315MHz			
712-CMD-HHLR-418-MD	CMD-HHLR-418-MD	8 Button Long-Range Handheld Transmitter with Metal Dome Switches 418MHz			
712-CMD-HHLR-433-MD	CMD-HHLR-433-MD	8 Button Long-Range Handheld Transmitter with Metal Dome Switches 433MHz			
712-FCTN-WALL-418	FCTN-WALL-418	AC Switch Receiver Module 418MHz			
712-EVAL-418-HHCP	EVAL-418-HHCP	Holtek Family Compact HandHeld Evaluation System 418MHz			
712-EVAL-433-HHCP	EVAL-433-HHCP	Holtek Family Compact HandHeld Evaluation System 433MHz			
712-EVAL-418-HHLR	EVAL-418-HHLR	Holtek Long Range HandHeld Evaluation System 418MHz			
712-EVAL-433-HHLR	EVAL-433-HHLR	Holtek Long Range HandHeld Evaluation System 433MHz			

EVALUATION SYSTEMS

MOUSER STOCK NO.		Description	Frequency (MHz)	Price Each		
Mfr.	Mfr. Part No.			1	25	50
712	CAEK-418	Connectorized Antenna Evaluation Kit	418			
712	CAEK-868	Connectorized Antenna Evaluation Kit	868			
712	CAEK-916	Connectorized Antenna Evaluation Kit	916			
712	AEK-916-CHP	Chip Antenna Evaluation Kit	916			
712	AEK-2.45-CHP	Chip Antenna Evaluation Kit	2.45GHz			

For quantities greater than listed, call for quote.

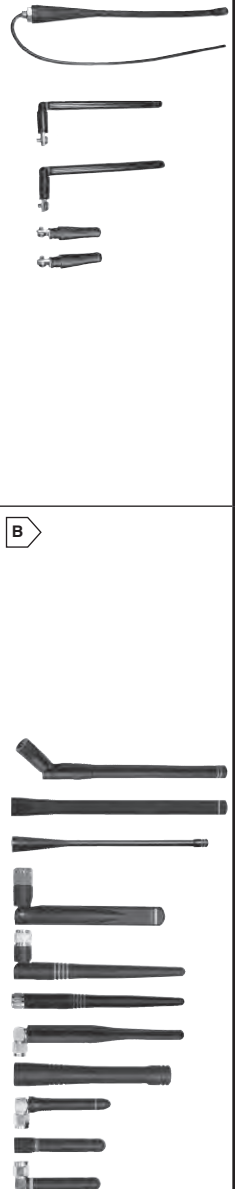
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ANTENNAS

MOUSER STOCK NO.		Fig.	Description	Type	Frequency (MHz)	Price Each		
Mfr.	Mfr. Part No.					1	25	50
Permanent-Mount								
712	ANT-315-PW-LP	A	LP Series - Reduced Height 1/4 Wave Whip Monopole	Screw Mount	315			
712	ANT-418-PW-LP	A	LP Series - Reduced Height 1/4 Wave Whip Monopole	Screw Mount	418			
712	ANT-433-PW-LP	A	LP Series - Reduced Height 1/4 Wave Whip Monopole	Screw Mount	433			
712	ANT-868-PW-LP	A	LP Series - Reduced Height 1/4 Wave Whip Monopole	Screw Mount	868			
712	ANT-916-PW-LP	A	LP Series - Reduced Height 1/4 Wave Whip Monopole	Screw Mount	916			
712	ANT-2.4-PW-LP	A	LP Series - Reduced Height 1/4 Wave Whip Monopole	Screw Mount	2.4GHz			
712	ANT-315-PW-RA	A	RA Series - Swivel Angle 1/4 Wave Whip Monopole	Screw Mount	315			
712	ANT-418-PW-RA	A	RA Series - Swivel Angle 1/4 Wave Whip Monopole	Screw Mount	418			
712	ANT-433-PW-RA	A	RA Series - Swivel Angle 1/4 Wave Whip Monopole	Screw Mount	433			
712	ANT-868-PW-RA	A	RA Series - Swivel Angle 1/4 Wave Whip Monopole	Screw Mount	868			
712	ANT-916-PW-RA	A	RA Series - Swivel Angle 1/4 Wave Whip Monopole	Screw Mount	916			
712	ANT-418-PW-QW	A	PW Series - 1/4 Wave Whip Monopole	--	418			
712	ANT-433-PW-QW	A	PW Series - 1/4 Wave Whip Monopole	--	433			
712	ANT-868-PW-QW	A	PW Series - 1/4 Wave Whip Monopole	--	868			
712	ANT-916-PW-QW	A	PW Series - 1/4 Wave Whip Monopole	--	916			
712	ANT-2.4-PW-QW	A	PW Series - 1/2 Wave Whip Dipole	--	2.4GHz			
712	ANT-868-PML	A	PML Series - Right Angle Swivel 1/2 Wave Whip Dipole	--	868			
712	ANT-916-PML	A	PML Series - Right Angle Swivel 1/2 Wave Whip Dipole	--	916			
Connectorized								
712	ANT-916-OCLG-RPS	B	OC Series - Tilt Swivel 1/2 Wave Whip Dipole	RP-SMA	916			
712	ANT-916-OCLG-SMA	B	OC Series - Tilt Swivel 1/2 Wave Whip Dipole	SMA	916			
712	ANT-2.4-OCLG-RPS	B	OC Series - Tilt Swivel 1/2 Wave Whip Dipole	RP-SMA	2.45GHz			
712	ANT-2.4-OCLG-SMA	B	OC Series - Tilt Swivel 1/2 Wave Whip Dipole	SMA	2.45GHz			
712	ANT-418-CW-QW	B	CW Series - 1/4 Wave Whip Monopole	RP-SMA	418			
712	ANT-433-CW-QW	B	CW Series - 1/4 Wave Whip Monopole	RP-SMA	433			
712	ANT-868-CW-QW	B	CW Series - 1/4 Wave Whip Monopole	RP-SMA	868			
712	ANT-916-CW-QW	B	CW Series - 1/4 Wave Whip Monopole	RP-SMA	916			
712	ANT-916-CW-QWSMA	B	CW Series - 1/4 Wave Whip Monopole	SMA	916			
712	ANT-2.4-CW-QWRPS	B	CW Series - 1/2 Wave Whip Dipole	RP-SMA	2.4GHz			
712	ANT-2.4-CW-QWSMA	B	CW Series - 1/2 Wave Whip Dipole	SMA	2.4GHz			
712	ANT-315-CW-RH	B	RH Series - Reduced Height 1/4 Wave Whip Monopole	RP-SMA	315			
712	ANT-315-CW-RHSMA	B	RH Series - Reduced Height 1/4 Wave Whip Monopole	SMA	315			
712	ANT-418-CW-RH	B	RH Series - Reduced Height 1/4 Wave Whip Monopole	RP-SMA	418			
712	ANT-418-CW-RHSMA	B	RH Series - Reduced Height 1/4 Wave Whip Monopole	SMA	418			
712	ANT-433-CW-RH	B	RH Series - Reduced Height 1/4 Wave Whip Monopole	RP-SMA	433			
712	ANT-433-CW-RHSMA	B	RH Series - Reduced Height 1/4 Wave Whip Monopole	SMA	433			
712	ANT-868-CW-RH	B	RH Series - Reduced Height 1/4 Wave Whip Monopole	RP-SMA	868			
712	ANT-868-CW-RHSMA	B	RH Series - Reduced Height 1/4 Wave Whip Monopole	SMA	868			
712	ANT-916-CW-RH	B	RH Series - Reduced Height 1/4 Wave Whip Monopole	RP-SMA	916			
712	ANT-916-CW-RHSMA	B	RH Series - Reduced Height 1/4 Wave Whip Monopole	SMA	916			
712	ANT-2.4-CW-RH	B	RH Series - Reduced Height 1/4 Wave Whip Monopole	RP-SMA	2.45GHz			
712	ANT-2.4-CW-RHSMA	B	RH Series - Reduced Height 1/4 Wave Whip Monopole	SMA	2.45GHz			
712	ANT-315-CW-HD	B	HD Series - Heavy Duty 1/4 Wave Whip Monopole	RP-SMA	315			
712	ANT-418-CW-HD	B	HD Series - Heavy Duty 1/4 Wave Whip Monopole	RP-SMA	418			
712	ANT-433-CW-HD	B	HD Series - Heavy Duty 1/4 Wave Whip Monopole	RP-SMA	433			
712	ANT-916-CW-HD	B	HD Series - Heavy Duty 1/4 Wave Whip Monopole	RP-SMA	916			
712	ANT-315-CW-HW	B	HW Series - 1/4 Wave Whip Monopole	RP-SMA	315			
712	ANT-418-CW-HW	B	HW Series - 1/4 Wave Whip Monopole	RP-SMA	418			
712	ANT-433-CW-HW	B	HW Series - 1/4 Wave Whip Monopole	RP-SMA	433			
712	ANT-868-CW-HW	B	HW Series - 1/2 Wave Whip Dipole	RP-SMA	868			
712	ANT-916-CW-HW	B	HW Series - 1/2 Wave Whip Dipole	RP-SMA	916			
712	ANT-2.4-CW-HW	-	HW Series - 1/2 Wave Whip Dipole	RP-SMA	2.45			
712	ANT-2.4-CW-HWSMA	-	HW Series - 1/2 Wave Whip Dipole	SMA	2.45			
712	ANT-2.4-CW-CTRPS	B	CT Series - Straight 1/2 Wave Whip Dipole	RP-SMA	2.45GHz			
712	ANT-2.4-CW-CTSMA	B	CT Series - Straight 1/2 Wave Whip Dipole	SMA	2.45GHz			
712	ANT-315-CWHWRRPS	B	HWR Series - Tilt Swivel 1/4 Wave Whip Monopole	RP-SMA	315			
712	ANT-315-CWHWRSMA	B	HWR Series - Tilt Swivel 1/4 Wave Whip Monopole	SMA	315			
712	ANT-418-CWHWRRPS	B	HWR Series - Tilt Swivel 1/4 Wave Whip Monopole	RP-SMA	418			
712	ANT-418-CWHWRSMA	B	HWR Series - Tilt Swivel 1/4 Wave Whip Monopole	SMA	418			
712	ANT-433-CWHWRRPS	B	HWR Series - Tilt Swivel 1/4 Wave Whip Monopole	RP-SMA	433			
712	ANT-433-CWHWRSMA	B	HWR Series - Tilt Swivel 1/4 Wave Whip Monopole	SMA	433			
712	ANT-868-CWHWRRPS	B	HWR Series - Tilt Swivel 1/2 Wave Whip Dipole	RP-SMA	868			
712	ANT-868-CWHWRSMA	B	HWR Series - Tilt Swivel 1/2 Wave Whip Dipole	SMA	868			
712	ANT-916-CWHWRRPS	B	HWR Series - Tilt Swivel 1/2 Wave Whip Dipole	RP-SMA	916			
712	ANT-916-CWHWRSMA	B	HWR Series - Tilt Swivel 1/2 Wave Whip Dipole	SMA	916			
712	ANT-1.4-CWHWRRPS	B	HWR Series - Tilt Swivel 1/2 Wave Whip Dipole	RP-SMA	1.4GHz			
712	ANT-1.4-CWHWRSMA	B	HWR Series - Tilt Swivel 1/2 Wave Whip Dipole	SMA	1.4GHz			
712	ANT-2.4-CWHWRRPS	-	HWR Series - Tilt Swivel 1/2 Wave Whip Dipole	RP-SMA	2.45			
712	ANT-2.4-CWHWRSMA	-	HWR Series - Tilt Swivel 1/2 Wave Whip Dipole	SMA	2.45			
712	ANT-2.4-CW-RCTRP	B	RCT Series - Right Angle Multi-Position 1/2 Wave Whip Dipole	RP-SMA	2.45GHz			
712	ANT-2.4-CW-RCTS	B	RCT Series - Right Angle Multi-Position 1/2 Wave Whip Dipole	SMA	2.45GHz			
712	ANT-315-CW-RCS	B	RCS Series - Reduced Height Right Angle 1/4 Wave Whip Monopole	RP-SMA	315			
712	ANT-418-CW-RCS	B	RCS Series - Reduced Height Right Angle 1/4 Wave Whip Monopole	RP-SMA	418			
712	ANT-433-CW-RCS	B	RCS Series - Reduced Height Right Angle 1/4 Wave Whip Monopole	RP-SMA	433			
712	ANT-868-CW-RCS	B	RCS Series - Reduced Height Right Angle 1/4 Wave Whip Monopole	RP-SMA	868			
712	ANT-916-CW-RCS	B	RCS Series - Reduced Height Right Angle 1/4 Wave Whip Monopole	RP-SMA	916			
712	ANT-2.4-CW-RCS	B	RCS Series - Reduced Height Right Angle 1/4 Wave Whip Monopole	RP-SMA	2.45 GHz			
712	ANT-2.4-CWRCSMA	B	RCS Series - Reduced Height Right Angle 1/4 Wave Whip Monopole	SMA	2.45 GHz			
712	ANT-916-CW-RCL	B	RCL Series - Right Angle Multi-Position 1/4 Wave Whip Monopole	RP-SMA	916			
712	ANT-2.4-CW-RCL	B	RCL Series - Right Angle Multi-Position 1/2 Wave Whip Dipole	RP-SMA	2.45GHz			
712	ANT-315-CW-RAH	B	RAH Series - Reduced Height Right-Angle 1/4 Wave Whip Monopole	RP-SMA	315			
712	ANT-418-CW-RAH	B	RAH Series - Reduced Height Right-Angle 1/4 Wave Whip Monopole	RP-SMA	418			
712	ANT-433-CW-RAH	B	RAH Series - Reduced Height Right-Angle 1/4 Wave Whip Monopole	RP-SMA	433			
712	ANT-868-CW-RAH	B	RAH Series - Reduced Height Right-Angle 1/4 Wave Whip Monopole	RP-SMA	868			
712	ANT-916-CW-RAH	B	RAH Series - Reduced Height Right-Angle 1/4 Wave Whip Monopole	RP-SMA	916			
712	ANT-2.4-CW-RAH	B	RAH Series - Reduced Height Right-Angle 1/4 Wave Whip Monopole	RP-SMA	2.45GHz			
712	ANT-2.4-CWRAHMA	B	RAH Series - Reduced Height Right-Angle 1/4 Wave Whip Monopole	SMA	2.45GHz			
712	ANT-DB1-RAF	B	RAF Series - Dual Band Tilt Swivel 1/2 Wave Dipole	RP-SMA	2.45/5.8GHz			
712	ANT-DB1-RAF-SMA	B	RAF Series - Dual Band Tilt Swivel 1/2 Wave Dipole	SMA	2.45/5.8GHz			

For quantities greater than listed, call for quote.

B



LINX TECHNOLOGIES Antennas



EMBEDDED ANTENNAS

MOUSER STOCK NO.		Fig	Description	Type	Frequency (MHz)	Price Each		
Mfr.	Mfr. Part No.					1	25	50
712—ANT-315-SP		A	SP Series "The SplatCh"- SMD Grounded Line 1/4-wave Monopole	Solder	315			
712—ANT-403-SP		A	SP Series "The SplatCh"- SMD Grounded Line 1/4-wave Monopole	Solder	403			
712—ANT-418-SP		A	SP Series "The SplatCh"- SMD Grounded Line 1/4-wave Monopole	Solder	418			
712—ANT-433-SP		A	SP Series "The SplatCh"- SMD Grounded Line 1/4-wave Monopole	Solder	433			
712—ANT-458-SP		A	SP Series "The SplatCh"- SMD Grounded Line 1/4-wave Monopole	Solder	458			
712—ANT-868-SP		A	SP Series "The SplatCh"- SMD Grounded Line 1/4-wave Monopole	Solder	868			
712—ANT-916-SP		A	SP Series "The SplatCh"- SMD Grounded Line 1/4-wave Monopole	Solder	916			
712—ANT-868-JJB-RA		A	JJB Series - Permanent Mount Mini 1/4-wave Monopole Right Angle	Solder	868			
712—ANT-868-JJB-ST		A	JJB Series - Permanent Mount Mini 1/4-wave Monopole Straight Post	Solder	868			
712—ANT-916-JJB-RA		A	JJB Series - Permanent Mount Mini 1/4-wave Monopole Right Angle	Solder	916			
712—ANT-2.4-JJB-RA		A	JJB Series - Permanent Mount Mini 1/4-wave Monopole Right Angle	Solder	2.45GHz			
712—ANT-2.4-JJB-ST		A	JJB Series - Permanent Mount Mini 1/4-wave Monopole Straight Post	Solder	2.45GHz			
712—ANT-868-CHP-B		A	CHP Series - Chip Antenna 1/4-wave Monopole, Bulk	Solder	868			
712—ANT-916-CHP-B		A	CHP Series - Chip Antenna 1/4-wave Monopole, Bulk	Solder	916			
712—ANT-2.45-CHP-B		A	CHP Series - Chip Antenna 1/4-wave Monopole, Bulk	Solder	2.45GHz			
712—ANT-2.45-CHP-T		A	CHP Series - Chip Antenna 1/4-wave Monopole, Tape and Reel	Solder	2.45GHz			
712—ANT-315-HESM		A	HE Series - Helical SMD 1/4-wave Monopole	Solder	315			
712—ANT-315-HETH		A	HE Series - Helical Through Hole 1/4-wave Monopole	Solder	315			
712—ANT-418-HETH		A	HE Series - Helical Through Hole 1/4-wave Monopole	Solder	418			
712—ANT-433-HESM		A	HE Series - Helical SMD 1/4-wave Monopole	Solder	433			
712—ANT-433-HETH		A	HE Series - Helical Through Hole 1/4-wave Monopole	Solder	433			
712—ANT-916-HESM		A	HE Series - Helical SMD 1/4-wave Monopole	Solder	916			
712—ANT-916-HETH		A	HE Series - Helical Through Hole 1/4-wave Monopole	Solder	916			

SPECIALTY ANTENNAS



MOUSER STOCK NO.		Fig	Description	Type	Frequency (MHz)	Price Each		
Mfr.	Mfr. Part No.					1	25	50
712—ANT-418-MHW-RPSS		B	MHW Series - Stick-On 1/2-wave Dipole (Short, 79" Cable)	RP-SMA	418			
712—ANT-418-MHWSMAS		B	MHW Series - Stick-On 1/2-wave Dipole (Short, 79" Cable)	SMA	418			
712—ANT-418-MHW-RPSL		B	MHW Series - Stick-On 1/2-wave Dipole (Long, 180" Cable)	RP-SMA	418			
712—ANT-418-MHW-SMAL		B	MHW Series - Stick-On 1/2-wave Dipole (Long, 180" Cable)	SMA	418			
712—ANT-433-MHW-RPSS		B	MHW Series - Stick-On 1/2-wave Dipole (Short, 79" Cable)	RP-SMA	433			
712—ANT-433-MHWSMAS		B	MHW Series - Stick-On 1/2-wave Dipole (Short, 79" Cable)	SMA	433			
712—ANT-433-MHW-RPSL		B	MHW Series - Stick-On 1/2-wave Dipole (Long, 180" Cable)	RP-SMA	433			
712—ANT-433-MHW-SMAL		B	MHW Series - Stick-On 1/2-wave Dipole (Long, 180" Cable)	SMA	433			
712—ANT-916-MHW-RPSS		B	MHW Series - Stick-On 1/2-wave Dipole (Short, 79" Cable)	RP-SMA	916			
712—ANT-916-MHWSMAS		B	MHW Series - Stick-On 1/2-wave Dipole (Short, 79" Cable)	SMA	916			
712—ANT-DB1-HDP-RPS		B	HDP Series - Stick-On Horizontal 1/2-wave Dipole 860MHz/1.77GHz	RP-SMA	Dual Band			
712—ANT-DB1-HDP-TNC		B	HDP Series - Stick-On Horizontal 1/2-wave Dipole 860MHz/1.77GHz	TNC	Dual Band			
712—ANT-DB1-VDP-RPS		B	VDP Series - Stick-On Vertical 1/2-wave Dipole 860MHz/1.77GHz/2.45GHz	RP-SMA	Tri-Band			
712—ANT-DB1-VDP-TNC		B	VDP Series - Stick-On Vertical 1/2-wave Dipole 860MHz/1.77GHz/2.45GHz	TNC	Tri-Band			
712—ANT-DB1-RMS-RPS		B	RMS Series - Through-Hole Mount 860MHz/1.77GHz	RP-SMA	Dual Band			
712—ANT-DB1-RMS-TNC		B	RMS Series - Through-Hole Mount 860MHz/1.77GHz	TNC	Dual Band			
712—ANT-868-WRT-RPS		B	WRT Series - Compact Antenna	RP-SMA	868			
712—ANT-916-WRT-RPS		B	WRT Series - Compact Antenna	RP-SMA	916			
712—ANT-916-WRT-SMA		B	WRT Series - Compact Antenna	SMA	916			
712—ANT-2.4-WRT-RPS		B	WRT Series - Compact Antenna	RP-SMA	2.45GHz			
712—ANT-2.4-WRT-SMA		B	WRT Series - Compact Antenna	SMA	2.45GHz			
712—ANT-2.4-WRT-UFL		B	WRT Series - Compact Antenna	RP-SMA/SMA/U.FL	2.4GHz			
712—ANT-418-WRT-RPS		B	WRT Series - Compact Antenna	RP-SMA	418MHz			
712—ANT-418-WRT-SMA		B	WRT Series - Compact Antenna	SMA	418MHz			
712—ANT-433-WRT-RPS		B	WRT Series - Compact Antenna	RP-SMA	433MHz			
712—ANT-433-WRT-SMA		B	WRT Series - Compact Antenna	SMA	433MHz			
712—ANT2.4WRTMON-RPS		C	WRT-MON Series Permanent Mount 50Ω 1/4-wave Monopole	RP-SMA	2.4-2.5 GHz			
712—ANT2.4WRTMON-SMA		C	WRT-MON Series Permanent Mount 50Ω 1/4-wave Monopole	SMA	2.4-2.5 GHz			
712—ANT2.4WRTMON-UFL		C	WRT-MON Series Permanent Mount 50Ω 1/4-wave Monopole	U.FL/MHF	2.4-2.5 GHz			

MAGNETIC MOUNT ANTENNAS

MOUSER STOCK NO.		Fig	Description	Type	Frequency (MHz)	Price Each		
Mfr.	Mfr. Part No.					1	25	50
712—ANT-ELE-S01-005		D	ELE Series - Whip Element for MAG Series Bases	--	860-960			
712—ANT-ELE-S01-006		D	ELE Series - Hi-Gain Whip-Element for MAG Bases	--	824-960			
712—ANT-ELE-S01-010		D	ELE Series - Short Whip-Element for MAG Bases	--	860-960			
712—ANT-ELE-S01-011		D	ELE Series - Stub Element for MAG Bases	--	2.45GHz			
712—ANT-MAG-B50-RPS		D	MAG Series - 50mm Magnetic Base	RP-SMA	--			
712—ANT-MAG-B50-TNC		D	MAG Series - 50mm Magnetic Base	TNC	--			
712—ANT-MAG-B66-RPS		D	MAG Series - 66mm Magnetic Base	RP-SMA	--			
712—ANT-MAG-B66-TNC		D	MAG Series - 66mm Magnetic Base	TNC	--			
712—ANT-MAG-B85-RPS		D	MAG Series - 85mm Magnetic Base	RP-SMA	--			
712—ANT-MAG-B85-TNC		D	MAG Series - 85mm Magnetic Base	TNC	--			

GPS ANTENNAS

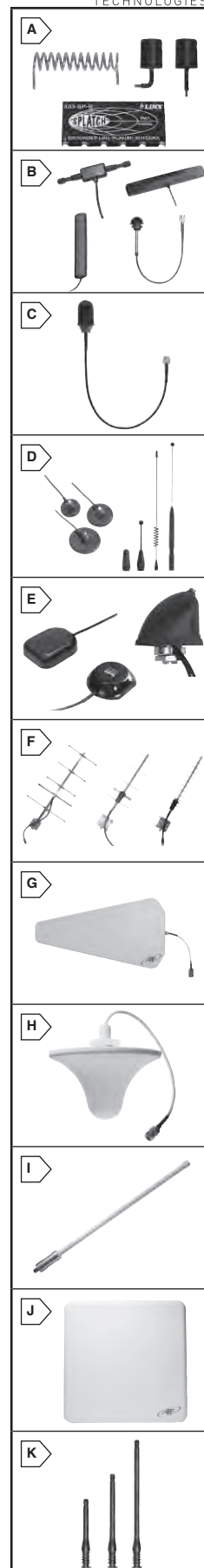
MOUSER STOCK NO.		Fig	Description	Type	Frequency (MHz)	Price Each		
Mfr.	Mfr. Part No.					1	25	50
712—ANT-GPS-UC-SMA		E	UC Series - Active GPS Antenna	SMA	1575.42			
712—ANT-GPS-SH-MMX		E	SH Series - Active GPS Antenna	MMCX	1575.42			
712—ANT-GPS-SH-SMA		E	SH Series - Active GPS Antenna	SMA	1575.42			
712—ANT-DB2RMGRPPRSM		E	RMG Series - GPS & Ant Base, RP-SMA Ant, RP-SMA Cable, SMA GPS Conn	--	1575.42			

FIXED POINT ANTENNAS

MOUSER STOCK NO.		Fig	Description	Type	Frequency (MHz)	Price Each		
Mfr.	Mfr. Part No.					1	25	50
712—ANT-916-YG5-N		F	YG Series - High Gain 5-Element Yagi	N	916			
712—ANT-2.4-YG12-N		F	YG Series - High Gain 12-Element Yagi	N	2.45GHz			
712—ANT-DB1-LP-RM01N		G	DB1-LP Log Periodic Antenna	N	Tri-Band			
712—ANT-DB1-OM-DW01N		H	OM-DW Series - Omnidirectional, Ceiling Mount	N	Wide-Band			
712—ANT-2.4-OM-CM01N		I	OM Series - Omnidirectional	N	2.45GHz			
712—ANT-2.4-PN-SM01N		J	PN Series - Ultra High Gain, Panel Mount	N	2.45GHz			

ANTENNA SKINS

MOUSER STOCK NO.		Fig	Description	Type	Frequency (MHz)	Price Each		
Mfr.	Mfr. Part No.					1	25	50
712—ANT-SKN-V1-1.50		K	"Ant Skins" - 1.50" Cover for Wire or Rod Antennas	--	--			
712—ANT-SKN-V1-3.15		K	"Ant Skins" - 3.15" Cover for Wire or Rod Antennas	--	--			
712—ANT-SKN-V1-4.25		K	"Ant Skins" - 4.25" Cover for Wire or Rod Antennas	--	--			



IEEE STD. 802.11 WI-FI® MODULES

Microchip has added 802.11 wireless communications to its lineup of wireless technologies for the embedded market. Microchip has a Wi-Fi PICTail development board that adds 802.11 capabilities to Microchip's development platforms for the PIC18, PIC24, PIC32, and dsPIC family of microcontrollers. The PICTail development board contains the MRF24WB0MA FCC and Wi-Fi certified module. The Wi-Fi PICTail allows designers to quickly create a direct connection to the Internet by seamlessly connecting to standard 802.11b/g access points. In managing the connection, the MRF24WB0MA module controls the MAC and baseband layers and is connected to the host MCU via an SPI port. The 8/16 or 32-bit Microchip MCU that resides on the Microchip development board controls the TCP/IP networking stack and runs the system application.

Features:

- Compatible with PIC18, PIC24, PIC32 and dsPIC microcontrollers
- IEEE 802.11b compliant wireless solution compatible with b/g/n routers
- Supports infrastructure and Adhoc networks
- MRF24WB0MA small footprint module integrated antenna, MAC, Baseband, RF and power amplifier
- MRF24WB0MA/B module is FCC, IC, Wi-Fi certified, and ROHS, CE and ETSI compliant, providing considerable cost savings and quick time-to-market
- License Free TCP/IP stack supporting standard suite of Internet Protocols
- Built-in EZConfig application to facilitate network provisioning without a keyboard or display
- Built-in ZeroConf (Bonjour, Avahi) application to simplify human interaction
- Supports WEP, WPA, and WPA2 security protocols on module
- Solutions as simple as a single PIC plus WiFi module with power and passives



MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
579-MRF24WB0MARM	MRF24WB0MA/RM	2.4GHz IEEE 802.11b™ Transceiver Module with PCB Antenna	
579-MRF24WB0MBRM	MRF24WB0MB/RM	2.4GHz IEEE 802.11b™ Transceiver Module with uFL Connector	
579-DV102411	DV102411	Demonstration Kit for MRF24B0MA 802.11b™ Transceiver Module	

STAND-ALONE LIN 2.1/SAE J2602 TRANSCEIVERS

Features:

- Compliant with LIN Bus Specifications 1.3, 2.0 and 2.1 and are compliant to SAE J2602
- Support Baud Rates up to 20 Kbaud with LIN-compatible output driver
- 43V load dump protected
- Very low EMI meets stringent OEM requirements
- Very high immunity to RF disturbances meets stringent OEM requirements
- Wide supply voltage, 6.0V-27.0V continuous
- Extended Temperature Range: -40°C to +125°C
- Interface to PIC® MCU EUSART and standard USARTs

MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each			
				1	10	25	100
579-MCP2003EMD	MCP2003-E/MD	DFN-8	Stand Alone LIN Transceiver WAKE pins				
579-MCP2004EMD	MCP2004-E/MD	DFN-8	Stand Alone LIN Transceiver FAULT/TXE pins				
579-MCP2003EP	MCP2003-E/P	PDIP-8	Stand Alone LIN Transceiver WAKE pins				
579-MCP2004EP	MCP2004-E/P	PDIP-8	Stand Alone LIN Transceiver FAULT/TXE pins				

2.4GHZ IEEE STD. 802.15.4™ RF TRANSCEIVER MODULES

IEEE Std 802.15.4™ is created to address low-cost, low-data rate, and low-power design application for short-range Wireless Personal Area Networks (WPAN). The IEEE 802.15.4 defined standard for wireless connectivity among fixed, portable, and moving devices in a WPAN environment is the foundation for network protocols such as standard based ZigBee® and Microchip's Wireless proprietary MiWi™ and MWI P2P.

The AC164134 PICTail Plus 2.4GHz RF card includes the Microchip MRF24J40MA transceiver module. The MRF24J40MA is an agency certified module with an integrated PCB antenna mounted on a PICTail Plus edge connector board for the Explorer 16 Development environment.

Features (MRF24J40):

- 2.4GHz IEEE 802.15.4 compliant
- Supports MiWi™, MiWi P2P and ZigBee
- In-line/stand-alone encryption
- Automatic MAC retransmit
- 18mA(RX)/22mA(TX)/2µA(Sleep)

Features (MRF24J40MA and MRF24J40MB):

- Microchip's MRF24J40 2.4GHz transceiver
- Integrated PCB antenna
- FCC (U.S.A.), IC (Canada), and ETSI (Europe) certified



MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
579-MRF24J40-I/ML	MRF24J40-I/ML	2.4GHz IEEE 802.15.4 Transceiver	
579-MRF24J40MA-I/RM	MRF24J40MA-I/RM	2.4GHz IEEE 802.15.4 +0dBm Transceiver Module	
579-MRF24J40MB-I/RM	MRF24J40MB-I/RM	2.4GHz IEEE 802.15.4 Ext. Range +20 dBm Transceiver Module	
579-AC164134	AC164134	MRF24J40MA PICTail Plus 2.4GHz RF Card	
579-AC182015-1	AC182015-1	ZENA Wireless Adapter is a USB wireless adaptor that connects computers with Microchip wireless products for development	
579-DM182015-1	DM182015-1	8-Bit 2.4GHz Development Kit is an easy-to-use platform for IEEE 802.15.4 application designers	
579-DM240315-2	DM240315-2	Remote Control Demonstration Board with ZENA™ Wireless Adapter 2.4GHz with MRF24J40	

BLUETOOTH EVALUATION KIT

The Microchip Bluetooth® Evaluation Kit is an expansion board used for evaluating and adding Bluetooth® wireless technology on 16/32-bit PIC MCUs and dsPIC DSCs. The evaluation kit consists of the Microchip Bluetooth® PICTail™ Plus Daughter Board, and the PIC24FJ256GB110 and PIC32MX795 USB Plug-in Modules, both of which come pre-programmed with the dotstack™ Bluetooth® demonstration Stack and SPP (Serial Protocol Profile). This kit requires an Explorer-16 Development Board to complete the board configuration.

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
579-DM183036	DM183036	Bluetooth evaluation board supports a wide range of PIC24, dsPIC and PIC32 devices	

SUB-GHZ TRANSCEIVER RADIO AND PICTAIL PLUS DAUGHTER BOARDS

The Industrial, Scientific and Medical (ISM) unlicensed Sub-GHz radio frequency bands are used for many short-range, low data-rate, and low-power wireless applications. Microchip provides stand alone transceivers and receiver products along with our family of rPIC transmitter with embedded PIC® microcontroller. These radio solutions are ideal for AMR Metering, Consumer Electronics, Home, Business, Industrial Automation, Automotive and Medical applications.

The MRF49XA is a fully integrated Sub-GHz RF transceiver supporting the 434/868/915MHz ISM frequency band. The MRF49XA supports FSK modulation with FHSS capability is ideal for two-way, short-range wireless applications.

The MRF89XA is a single chip FSK/OOK transceiver capable of operating in the 863-870MHz and 902-928MHz license-free ISM frequency bands, as well as the 950-960MHz frequency band. The low-cost MRF89XA is optimized for very low power consumption (3mA in Receiver mode). It incorporates a baseband modem with data rates up to 200kb/s. Data handling features include a 64-byte FIFO, packet handling, automatic CRC generation and data scrambling. Its highly integrated architecture allows for minimum external component count while still maintaining design flexibility.

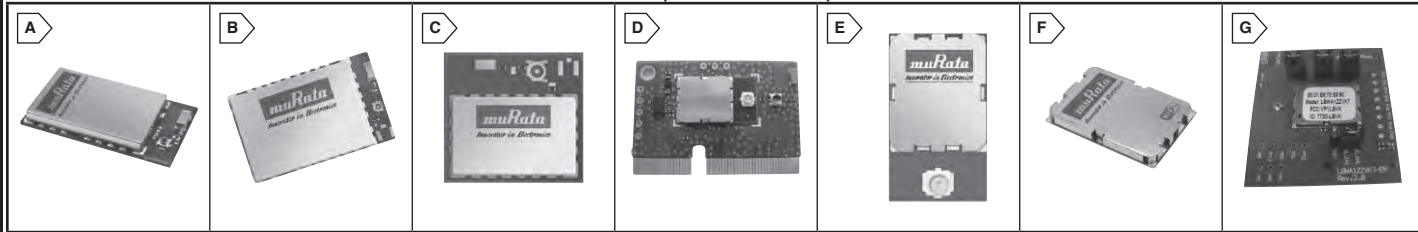
Each of the MRF49XA PICTail/PICTail Plus Daughter Boards (579-AC164137-1 and 579-AC164137-2) are a demonstration and development daughter board for the MRF49XA ISM Band Sub-GHz RF Transceiver. The daughter board can plug into multiple Microchip Technology demonstration and development boards. For example, for 8-bit microcontroller development using the PIC18 Explorer Board (DM183032) or 16-bit microcontroller development using the Explorer 16 Development Board (DM240001).

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each			
			1	10	25	100
579-MRF49XA-I/ST	MRF49XA-I/ST	433-930MHz Transceiver				
579-AC164137-1	AC164137-1	434MHz Daughter Board	-	-	-	-
579-AC164137-2	AC164137-2	868/915MHz Daughter Board	-	-	-	-

MURATA WIRELESS SOLUTIONS Board Modules and Kits



RoHS Compliant This product is RoHS compliant.



WIRELESS MODULES

MOUSER STOCK NO.	Murata Wireless Part No.	Fig.	Description	Interface Type	Supply Voltage	For Use With	Dimensions	Price Each		
								1	10	100
81-88-00143-00	88-00143-00	A	Zigbee / 802.15.4 Modules Hi Pwr Zigbee Module SN3020	I2C, SPI, UART, GPIO	2.4-3.4	SN3020	27.2x14.75x2.9			
81-88-00144-00	88-00144-00	A	Zigbee / 802.15.4 Modules Hi Pwr Zigbee Module SN3021	External I2C, SPI, UART, GPIO	2.4-3.4	SN3021	27.2x14.75x2.9			
81-88-00151-00	88-00151-00	B	WiFi / 802.11 Modules SN8200 Wifi Network Controller Module	Internal I2C, SPI, UART, GPIO	2.4-3.4	SN8200	30.5x19.4x2.8			
81-88-00150-00	88-00150-00	C	Bluetooth / 802.15.1 Modules Class 1 Bluetooth Module - SN2100	PCM, UART	2.2-3.3	SN2100	17.5x16.0x2.0			

For quantities greater than listed, call for quote.

PRODUCT NEW

WiFi 802.11 B/G/N BLUETOOTH V4 BLE TYPE TN MODULE & MURATA WIRELESS COM6M CARD

- Features:**
- IEEE 802.11 b/g/n WiFi
 - Bluetooth v4 with Bluetooth
 - Low Energy
 - On module system clock and DC-DC voltage regulation
 - On module U.FL coaxial
 - High peripheral integration
 - Pre-integration to select platforms
 - FCC/IC Certification

PRODUCT NEW

MOUSER STOCK NO.	Murata Wireless Part No.	Fig.	Description	Interface Type	Supply Voltage	For Use With	Dimensions	Chipset	Antenna	Price Each
81-LBEE5ZSTNC-523-D	LBEE5ZSTNC-523-D	D	Com6M Board for Type TN Wireless Module	SDIO for WLAN, UART -PCM for Bluetooth	2.7-4.3	T1 AM335x EVM	36.36x45.43x1.6	T1 WL 12711L	U.FL, Internal	
81-LBEE5ZSTNC-523	LBEE5ZSTNC-523	E	WiFi / 802.11 Modules 802.11b/g/n WiFi BT Type TN Module	UART	1.8-3.6	Type TN - WiFi / BT Module	17.0x10.1x22.0	WL1271L	U.FL, Internal	

For quantities greater than listed, call for quote.

VK WI-FI™ 802.11B/G W-LAN MODULES

- Features:**
- Operates with low cost microcontrollers
 - On-module driver/firmware
 - Integrates WLAN function
 - EEPROM - A non volatile memory
 - Clock sources - Fast Clock and Slow Clock are integrated
 - Front End Module - A combination of PA and a switch
 - Band Pass Filter - Filters out of band noise and interference

PRODUCT NEW

MOUSER STOCK NO.	Murata Wireless Part No.	Fig.	Description	Interface Type	Supply Voltage	For Use With	Dimensions	Chipset	Antenna	Price Each
81-LBWA1ZZVK7-539	LBWA1ZZVK7-539	F	WiFi/802.11 Modules Type VK 802.11b/g WLAN WiFi CC3000	SPI	2.7-4.3	TypeVK Mod 802.11b/g Daughter Board	16.5x 11.5x 2.2	CC3000	-	
81-LBWA1ZZVK7-TEMP-D	LBWA1ZZVK7-TEMP-D	G	"TypeVK Mod 802.11b/g Daughter Board	UART	1.8-3.6	Type TN - WiFi / BT Module	17.0x10.1x22.0	WL1271L	U.FL, Internal	

For quantities greater than listed, call for quote.



DEVELOPMENT KITS

NEW! TECHNOLOGY

MOUSER STOCK NO.	Murata Wireless Part No.	Fig.	Description	Price Each
81-88-00143-85	88-00143-85	A	Evaluation Kit for SyChip SN3020 Zigbee Module - Includes 2 evaluation/development boards with SN3020 modules, 2 USB Cables, 1 RF Cable, and software	
81-88-00144-85	88-00144-85	B	Evaluation Kit for SyChip SN3021 Zigbee Module	
81-88-00150-85	88-00150-85	-	SN2100EMK Dev Kit Class 1 Bluetooth EM	
81-88-00151-95	88-00151-95	C	Bluetooth / 802.15.1 Development Tools SN2100EMK Dev Kit Class 1 Bluetooth EM WiFi / 802.11 Development Tools SN8200 WiFi Network Ctrlr EVK+ Eval Kit	

For quantities greater than listed, call for quote.

MAGICSTRAP® UHF RFID MODULES

NEW! TECHNOLOGY

MOUSER STOCK NO.	Murata Wireless Part No.	Type	Frequency Range (MHz)	EPC (bits)	User Memory (bits)	TID (bits)	Dimensions	Price Each
81-LXMS31ACNA-009	LXMS31ACNA-009	1	865-955	Up to 240	512	64	3.2x1.6x0.7 max	
81-LXMS31ACNA-010	LXMS31ACNA-010	2	865-955	Up to 240	512	64	3.2x1.6x0.7 max	
81-LXMS31ACNA-011	LXMS31ACNA-011	3	865-955	Up to 240	512	64	3.2x1.6x0.7 max	
81-LXMS31ACNA-012	LXMS31ACNA-012	4	865-955	Up to 240	512	64	3.2x1.6x0.7 max	

For quantities greater than listed, call for quote.

ULTRA LOW POWER 2.4GHZ RF TRANSCEIVER IC

This page of product is compliant.

Features:

- On-air compatible in 250kbps and 1Mbps with nRF2401A, nRF2402, nRF24E1 and nRF24E2
- 5V tolerant inputs

Applications:

- PC peripherals
- Gaming
- Sports and fitness
- Consumer electronics

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nordic Part No.	Package	RF Channels	Data Rate Max (Mbps)	Transmitter Output Max (dBm)	Receiver Sensitivity @ 2Mbps (dBm)	Power Down Mode (nA)	Standby Current (µA)	Supply Voltage	Price Each		
										1	10	50
949-NRF24L01P-T	nRF24L01P-T	QFN-20	126	2	-18	-82	900	26	1.9-3.6			

2.4GHZ RF SYSTEM ON CHIP

Features:

- Microcontroller: 8051 compatible
- 6-12 bit ADC

Applications:

- PC peripherals
- Gaming
- Sports and fitness
- Consumer electronics

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nordic Part No.	Package	CPU (bits)	CPU Bandwidth (MHz)	GPIO	Memory (kB)	Data Rate Max (Mbps)	Transmitter Output Max (dBm)	Receiver Sensitivity @ 2Mbps (dBm)	Power Down Mode (nA)	Standby Current (µA)	Supply Voltage	Price Each		
													1	10	50
With Flash Memory															
949-NRF24LE1F1624T	nRF24LE1-F16Q24-T	QFN-24	8	16	7	16	2	-18	-82	500	1	1.9-3.6			
949-NRF24LE1F1632TS	nRF24LE1-F16Q32-T	QFN-32	8	16	15	16	2	-18	-82	500	1	1.9-3.6			
949-NRF24LE1F1648T	nRF24LE1-F16Q48-T	QFN-48	8	16	31	16	2	-18	-82	500	1	1.9-3.6			
With One Time Programmable (OTP) Memory															
949-NRF24LE1O1724T	nRF24LE1-O17Q24-T	QFN-24	8	16	7	16	2	-18	-82	500	1	1.9-3.6			
949-NRF24LE1O1732T	nRF24LE1-O17Q32-T	QFN-32	8	16	15	16	2	-18	-82	500	1	1.9-3.6			
949-NRF24LE1O1748T	nRF24LE1-O17Q48-T	QFN-48	8	16	31	16	2	-18	-82	500	1	1.9-3.6			

2.4GHZ RF System On Chip with USB

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nordic Part No.	Package	CPU (bits)	CPU Bandwidth (MHz)	GPIO	Memory (kB)	Data Rate Max (Mbps)	Transmitter Output Max (dBm)	Receiver Sensitivity @ 2Mbps (dBm)	Power Down Mode (nA)	Standby Current (µA)	Supply Voltage	Price Each		
													1	10	50
With Flash Memory															
949-NRF24LU1PF1632T	nRF24LU1P-F16Q32-T	QFN-32	8	16	6	16	2	-18	-82	500	1	4-5.25			
949-NRF24LU1PF3232T	nRF24LU1P-F32Q32-T	QFN-32	8	16	6	32	2	-18	-82	500	1	4-5.25			
With One Time Programmable (OTP) Memory															
949-NRF24LU1PO1732T	nRF24LU1P-O17Q32-T	QFN-32	8	16	6	16	2	-18	-82	500	1	4-5.25			

2.4GHZ RF AUDIO STREAMER ICS

Features:

- Low cost, low power 2.4GHz RF solution for streaming uncompressed CD quality audio
- Embedded custom protocol stack for audio streaming based on Adaptive Frequency Hopping (AFH) for optimal co-existence performance
- I2S interface for direct audio interfacing with an external ADC/DAC

Applications:

- Gaming microphones
- Home karaoke microphones
- Subwoofers

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nordic Part No.	Package	Latency (ms)	Resolution (bits)	Mono Audio Rate (kHz)	Transmitter Output Max (dBm)	Receiver Sensitivity (dBm)	Supply Voltage Max (V)	Price Each		
									1	10	50
949-NRF2460-T	nRF2460-T	QFN-36	20	16	32	-12	-80	3.3			

ANT RF ICS

Features:

- Simple to complex network topologies: Peer-to-peer, star, tree and practical mesh

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nordic Part No.	Package	Channels	Data Rate Max (Mbps)	Transmitter Output Max (dBm)	Receiver Sensitivity (dBm)	Standby Current (µA)	Supply Voltage	Price Each		
									1	10	50
949-NRF24AP21CH32T	nRF24AP2-1CHQ32-T	QFN-32	1	1	+4	-85	0.5	1.9-3.6			
949-NRF24AP28CHC32R7	nRF24AP2-8CHC32-R7	QFN-32	8	1	+4	-85	0.5	1.9-3.6			
949-NRF24AP28CHQ32T	nRF24AP2-8CHQ32-T	QFN-32	8	1	+4	-85	0.5	1.9-3.6			

ANT RF ICS with USB Controller

For quantities greater than listed, call for quote.

949-NRF24AP2USB32T	nRF24AP2-USBQ32-T	QFN-32	8	1	+4	-85	500	1.9-3.6			
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SUB 1-GHZ RF

Features:

- Low cost single-chip 433/868/915MHz GFSK RF transceiver IC
- On-air compatible with Nordic nRF9E5 RF SoC

Applications:

- Alarm and security systems
- Home and Industrial automation
- Keyless entry
- RF ID

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nordic Part No.	Package	Data Rate Max (Mbps)	Transmitter Output Max (dBm)	Receiver Sensitivity (dBm)	Standby Current (µA)	Supply Voltage	Price Each			
								1	10	50	
949-NRF905	nRF905	QFN-32	50	10	-100	2.5	1.9-3.6				
Development Kits											
Description											
949-NRF905-EK868/915	nRF905-EVKIT-868/915	nRF905 Evaluation Kit - 868/915MHz version									-
949-NRF905-EVKIT-433	nRF905-EVKIT-433	nRF905 Evaluation Kit - 433MHz version									-

SUB 1-GHZ RF SYSTEM ON CHIP

Features:

- Microprocessor: Synopsys DW8051 MacroCell

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nordic Part No.	Package	CPU	Program Memory (kB)	Data Rate Max (Mbps)	Transmitter Output Max (dBm)	Receiver Sensitivity (dBm)	Standby Current (µA)	Supply Voltage	Price Each		
										1	10	50
949-NRF9E5	nRF9E5	QFN-32	8051	4	50	10	-100	2.5	1.9-3.6			
Development Kits												
Description												
949-NRF9E5-EK868/915	nRF9E5-EVKIT-868/915	nRF9E5 Evaluation Kit - 868/915MHz version									-	
949-NRF9E5-EVKIT-433	nRF9E5-EVKIT-433	nRF9E5 Evaluation Kit - 433MHz version									-	

BLUETOOTH LOW ENERGY

Features:

- Fully qualified Bluetooth® v4.0 low energy Connectivity IC with integrated Radio, Link Layer, and Host stack
- Optimized for Peripheral (Slave) role operation
- Fully integrated, low tolerance 32kHz RC oscillator eliminating the need for external 32kHz crystals
- Simple serial interface (ACI) supporting a range of different external application microcontrollers
- Includes temperature sensor

Applications:

- Mobile phone accessories
- Proximity tags and watches
- Sports, fitness, and healthcare sensors
- PC peripherals
- Consumer electronics (CE) remote controls
- Home and industrial automation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nordic Part No.	Package	Data Rate Max (Mbps)	Transmitter Output Max (dBm)	Receiver Sensitivity (dBm)	Standby Current (µA)	Supply Voltage	Price Each		
								1	10	50
949-NRF8001-R2Q32-T	nRF8001-R2Q32-T	QFN-32	1	4	-87	0.5	1.9-3.6			

NXP SEMICONDUCTOR Wireless Solutions



This product is RoHS compliant.



WIRELESS MICROCONTROLLER

JN5148 Single Chip JenNet, ZigBee PRO and IEEE802.15.4 Solution

The JN5148 is an ultra low power, high performance wireless microcontroller targeted at JenNet and ZigBee PRO networking applications. The device features an enhanced 32-bit RISC processor offering high coding efficiency through variable width instructions, a multistage instruction pipeline and low power operation with programmable clock speeds. It also includes a 2.4GHz IEEE802.15.4 compliant transceiver, 128kB of ROM, 128kB of RAM, and a rich mix of analogue and digital peripherals. The large memory footprint allows the device to run both a network stack (e.g. ZigBee PRO) and an embedded application or in a coprocessor mode. The operating current is below 18mA, allowing operation direct from a coin cell. Enhanced peripherals include low power pulse counters running in sleep mode designed for pulse counting in AMR applications and a unique Time of Flight ranging engine, allowing accurate location services to be implemented on wireless sensor networks. It also includes a 4-wire I2S audio interface, to interface directly to mainstream audio CODECs, as well as conventional MCU peripherals.

Features:

- Single chip integrates transceiver and microcontroller for wireless sensor networks
- Large memory footprint to run ZigBee PRO or JenNet together with an application
- Very low current solution for long battery life
- Highly featured 32-bit RISC CPU for high performance and low power
- System BOM is low in component count and cost
- Extensive user peripherals

Applications:

- Robust and secure low power wireless applications
- ZigBee PRO and JenNet networks
- Smart metering (e.g. AMR)
- Home and commercial building automation
- Location Aware services (e.g. Asset Tracking)
- Industrial systems
- Telemetry
- Remote Control
- Toys and gaming peripherals

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NXP Part No.	Package Type	MIPS (MHz)	RAM	ROM	ROM Variant	ADC	DAC	Serial Interface	Digital Input-Output Pins	Timers	Price Each		
												1	10	100
771-JN5148/001531	JN5148/001,531	HVQFN-56	32	128K	128K	Supports all available network stacks	4-Ch 12-Bit	2x12-Bit	2-Wire, 2xUART, SPI	21	3			

ZIGBEE PRO EVALUATION KIT

Jennic's JN5148-EK010 ZigBee PRO evaluation kit provides a complete environment for the development of ZigBee PRO applications based on the JN5148 wireless microcontroller. The kit contains a complete package of hardware and software, including five wireless sensor nodes, an unrestricted software developer kit (SDK), an example code.

MOUSER STOCK NO.	NXP Part No.	Description	Price Each
771-JN5148EK010596	JN5148-EK010,596	Evaluation Kit for JN5148 family of wireless microcontrollers	

WIRELESS MODULES

The JN5139-xxx-Myy family is a range of surface mount modules that enables users to implement systems using Jennic's own JenNet networking stack or IEEE802.15.4 with minimum time to market and at the lowest cost. They remove the need for expensive and lengthy development of custom RF board designs and test suites. The modules use Jennic's JN5139 wireless microcontroller to provide a comprehensive solution with high radio performance and all RF components are included. All that is required to develop and manufacture wireless control or sensing products is to connect a power supply and peripherals such as switches, actuators and sensors, considerably simplifying product development.

JN5139 Family - Supports ZigBee Network Stacks

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NXP Part No.	Package Type	Description	Range	Rx Sensitivity	Tx Power	Tx Current	Rx Current	Module Size	Price Each		
										1	10	100
771-JN5139Z01M/00R1T	JN5139-Z01-M/00R1T	SOM-041	Module includes an on-board antenna	1km	-96dBm	+2.5dBm	37mA	37mA	18x30mm			
771-JN5139Z01M/03R1T	JN5139-Z01-M/03R1T	SOM-041	Module includes a uFl connector	1km	-96dBm	+2.5dBm	37mA	37mA	18x30mm			

JN5139 Family - Supports IEEE802.15.4 Stacks

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NXP Part No.	Package Type	Description	Range	Rx Sensitivity	Tx Power	Tx Current	Rx Current	Module Size	Price Each		
										1	10	100
771-JN5139001M/00R1T	JN5139-001-M/00R1T	SOM-041	Module includes an on-board antenna	1km	-96dBm	+2.5dBm	37mA	37mA	18x30mm			

JN5148 Family - Supports JenNet, ZigBee Pro as well as Commercial Applications

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NXP Part No.	Package Type	Description	Range	Rx Sensitivity	Tx Power	Tx Current	Rx Current	Module Size	Price Each		
										1	10	100
771-JN5148001M00T534	JN5148/001M00T,534	SOM-041	Module includes integral antenna	1km	-95dBm	+2.5dBm	15mA	17.5mA	18x32mm			
771-JN5148001M03T534	JN5148/001M03T,534	SOM-041	Module includes a uFl connector	1km	-95dBm	+2.5dBm	15mA	17.5mA	18x30mm			

RFID READER ICs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NXP Part No.	Package Type	Description	Freq. (MHz)	Standard	Price Each		
						1	25	100
771-CLRC63201TD	CLRC63201T/0FE,112	SO-32	Multiple protocol contactless reader IC (MIFARE/ICODE1)	13.56	ISO 14443A, ISO 14443B, 15693			
771-HTRC11001AD	HTRC11001T/02EE,11	SO-14	HITAG reader chip for use with HITAG transponder ICs	0.125	-----			
771-HTRC11001TD-T	HTRC11001T/03EE,11	SO-14	HITAG reader chip for use with HITAG transponder ICs	0.125	-----			
771-MFRC51T0FED	MFRC50001T/0FE,112	SO-32	Highly integrated reader IC (MIFARE)	13.56	ISO 14443A			
771-MFRC52301HN1,151	MFRC52301HN1,151	HVQFN-32	Contactless reader IC (MIFARE)	13.56	ISO 14443A, ISO 14443B			
771-MFRC53101TD	MFRC53101T/0FE,112	SO-32	Contactless reader IC (MIFARE)	13.56	ISO 14443A, ISO 14443B			
771-SL3S1002AC0,118	SL3S1002AC0,118	FCS-2	UHF RFID passive smart tag and label (G2XM)	840-960	EPCglobal Class 1 Gen 2 UHF RFID			
771-SL3S1002FTT,118	SL3S1002FTT,118	TSSOP-8	UHF RFID passive smart tag and label (G2XM)	840-960	EPCglobal Class 1 Gen 2 UHF RFID			
771-SL3S1202FTT,118	SL3S1202FTT,118	TSSOP-8	UHF RFID passive smart tag and label (G2XL)	840-960	EPCglobal Class 1 Gen 2 UHF RFID			

REDPINE SIGNALS Wireless Solutions



Redpine technology spans the complete end-to-end wireless solution and includes an extensive patent portfolio of OFDM, MIMO, embedded processor architectures and low-power techniques. The company's offerings include both the hardware and the software as differentiated sub-systems to provide flexibility and ease of integration to the system integrator. This single-stop approach enables Redpine to deliver an optimal wireless solution to meet customer's requirements at an optimal price point.

N-LINK™ SERIES

The nLink™ family of IEEE802.11n single stream modules designed to provide high throughputs at ultra low power consumption. The modules have an integrated MAC, baseband processor, RF transceiver and power amplifier. An integrated processor allows for providing a rich set of peripherals with minimal load on the host processor. The small form factor enables the customer to use these modules in handheld and other portable consumer electronic products. The modules allow for interfacing with the host over SDIO and SPI.

- Features:**
- 802.11n features for high throughput and extended range
 - Host interface through SDIO and SPI
 - Bluetooth coexistence
 - Ultra low power operation
 - Complete WLAN software along with host driver for Windows Embedded CE, Windows Mobile, Windows XP, and Linux OS
 - Single supply 3.1 to 3.6V operation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Redpine Signals Part No.	Fig.	Description	Price Each			
				1	10	25	50
980-RS9110-N-11-02	RS9110-N-11-02	A	Ultra low Power Single band 802.11bgn 2.4GHz module				
980-RS9110-N-11-03	RS9110-N-11-03	B	Ultra low Power Dual band 802.11bgn 2.4/5GHz module				
Evaluation Boards				1			5
980-RS9110-N-1102EVB	RS9110-N-11-02-EVB	C	RS9110-N-11-02 Evaluation Board and Software				
980-RS9110-N-1103EVB	RS9110-N-11-03-EVB	D	RS9110-N-11-03 Evaluation Board and Software				

CONNECT-IO-N™ SERIES

The Connect-io-n™ products are highly integrated single stream 802.11n modules designed to provide future-proof 'plug-and-play' Wi-Fi connectivity to embedded devices. They all feature standard UART or SPI interfaces to a host microcontroller and include all the functionality required in a WLAN client. They also include a full networking stack running on the embedded processor within Redpine's chipset, enabling network connectivity into numerous embedded systems with no additional burden on their microcontrollers. The Connect-io-n series includes variants offering single or dual-band operation and choice of form-factor.

- Features:**
- Compliant to 802.11b/g and single stream 802.11n
 - 2.4/5GHz, 802.11n RF transceiver with power amplifier
 - Highly integrated 2.4GHz/5GHz transceiver with direct conversion architecture
 - Self-contained serial-to-wireless functionality - requires very little host processor bandwidth
 - WPA/WPA2-PSK, WEP and TKIP modes of security
 - Host Interface: UART and SPI, selectable through a hardware pin
 - Integrated TCP/IP stack with option to bypass in SPI mode through software configuratio
 - Ultra low power operation with power save modes
 - Single supply 3.1 to 3.6V operation
 - 65Mbps Data Rates
- Specifications:**
- Network Standard Support: IEEE 802.11b/g/n
 - Data Rates: 802.11n: 6.5, 13, 19.5, 26, 39, 52, 58.5, 65Mbps
802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps
802.11b: 1, 2, 5.5, 11Mbps
 - Modulation Techniques: OFDM with BPSK, QPSK, 16-QAM, and 64-QAM 802.11b with CCK and DSSS
 - Network Protocols: TCP, UDP, IPv4, ARP, ICMP, DHCP Client
 - Supported UART baud rates: Supports standard baud rates from 9600bps to 3.6Mbps
 - Operating Temperature: Industrial Grade -40°C to +85°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Redpine Signals Part No.	Fig.	Description	Price Each			
				1	10	25	50
980-RS9110-N-11-2204	RS9110-N-11-22-04	E	802.11bgn 2.4GHz Wireless Device Server with integrated Antenna				
980-RS9110-N-11-2205	RS9110-N-11-22-05	E	802.11bgn 2.4GHz Wireless Device Server with u.FL Connector for External Antenna				
980-RS9110-N-11-24	RS9110-N-11-24	F	802.11bgn 2.4GHz Wireless Device Server with UART Interface				
980-RS9110-N-11-2402	RS9110-N-11-24-02	F	802.11bgn 2.4GHz Wireless Device Server with SPI Interface				
980-RS9110-N-11-2804	RS9110-N-11-28-04	G	802.11abgn 2.45GHz Wireless Device Server with UART or SPI Interfaces				
Evaluation Boards				1			5
980-RS9110N112204EVB	RS9110-N-11-22-04-EVB	H	RS9110-N-11-22-04 Evaluation Board with UART/SPI as Host Interface				
980-RS9110N112205EVB	RS9110-N-11-22-05-EVB	H	RS9110-N-11-22-05 Evaluation Board with UART/SPI as Host Interface and u.FL Connector				
980-RS9110-N-1124EVB	RS9110-N-11-24-EVB	H	RS9110-N-11-24 Evaluation Board with UART as Host Interface				
980-RS9110N112402EVB	RS9110-N-11-24-02-EVB	H	RS9110-N-11-24 Evaluation Board with SPI as Host Interface				
980-RS9110N112804EVB	RS9110-N-11-28-04-EVB	I	RS9110-N-11-28-04 Evaluation Board with UART/SPI as Host Interface				

WISECONNECT™ SERIES

WiSeConnect™ modules are fully integrated 802.11 a/b/g/n modules with advanced features for M2M, industrial, medical, enterprise and IOT (Internet of Things) applications. Powered with WiFi-Direct™, it can directly communicate with smart-phones and tablet PCs without an Access Point based infrastructure. Integrated with Enterprise Security as well as TCP/IP and WLAN stacks, it can be designed quickly into any Host platform for secure and standards based Wi-Fi connectivity in a variety of environments.

- Features:**
- 802.11a/b/g/n, operation over 2.4 and 5GHz bands
 - WiFi-Direct™, Access Point and Client mode
 - Enterprise Security - EAP-TLS, EAP-TTLS, EAP-FAST, PEAP-MSHCPAP-V2
 - Integrated TCP/IP stack, HTTP Server/Client, DHCP
 - Host interface through UART and SPI
 - Integrated antenna and uFL connector for external antenna
 - Ultra low power operation with power save modes
- Specifications:**
- Network Standard Support: IEEE 802.11b/g/n
 - Data Rates: 802.11n: 6.5, 13, 19.5, 26, 39, 52, 58.5, 65 Mbps
802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
802.11b: 1, 2, 5.5, 11 Mbps
 - Modulation Techniques: OFDM with BPSK, QPSK, 16-QAM, and 64-QAM 802.11b with CCK and DSSS
 - Network Protocols: TCP, UDP, IPv4, ARP, ICMP, DHCP Client
 - Supported UART baud rates: Supports standard baud rates from 9600bps to 3.6Mbps
 - Operating Temperature: Industrial Grade -40°C to +85°C

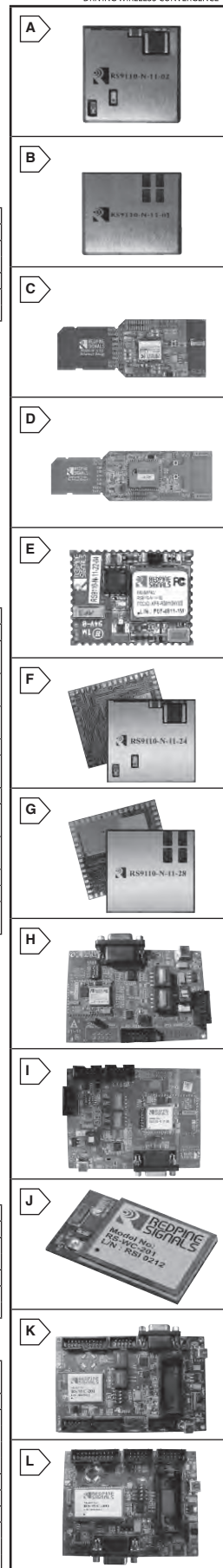
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Redpine Signals Part No.	Fig.	Description	Price Each			
				1	10	25	50
980-RS-WC-201	RS-WC-201	J	Single band 2.4GHz Wi-Fi modules for M2M Applications				
980-RS-WC-301	RS-WC-301	J	Dual band 2.4/5GHz Wi-Fi modules for M2M Applications				
Evaluation Boards				1			5
980-RS-WC-201-EVB	RS-WC-201-EVB	K	RS-WC-201 Evaluation Board and Software				
980-RS-WC-301-EVB	RS-WC-301-EVB	L	RS-WC-301 Evaluation Board and Software				

WI-FI ADD-ON CARDS

MOUSER STOCK NO.	Redpine Signals Part No.	Description	Price Each
Atmel Processors			
980-RS-XMEGA-220X	RS-XMEGA-220X	Wi-Fi Add-on Card for XMEGA-A3BU Xplained Kit	
980-RS-UC3L0-220X	RS-UC3L0-220X	Wi-Fi Add-on Card for UC3L0 Xplained Kit	
980-RS-SAM3S-220X	RS-SAM3S-220X	Wi-Fi Add-On Card for SAM3S-EK	
980-RS-SAM9-02X	RS-SAM9-02X	Wi-Fi Add-On card for the SAM9-EK Platform	
Cypress Processors			
980-RS-CY8C001-220X	RS-CY8C001-220X	Wi-Fi EBL Add-on Card for CY8CKIT-001	
Renesas Electronics			
980-RS-RL78G132200CC	RS-RL78G13-2200CC	Wi-Fi Companion Card for RL78/G13 MCU's Starter and Demo Kits	
980-RS-RX62N-2201CC	RS-RX62N-2201CC	Wi-Fi Companion Card for RX62N RDK	
980-RS-RX63N-2201CC	RS-RX63N-2201CC	Wi-Fi Companion Card for RX63N RDK	

For quantities greater than listed, call for quote.



Wireless Solutions

Redpine Signals

NEW SUPPLIER

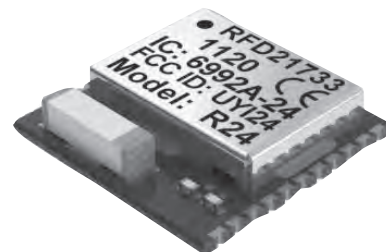
NEW SUPPLIER

NEW SUPPLIER

RF Digital manufactures an extensive line of fully integrated, low cost, high quality, high performance, configurable Wireless RF Transmitter, Receiver & Transceiver Modules, suitable for nearly every type of application.

2.4 GHZ SERIAL TRANSCEIVERS

Complete Compliance Approved & Certified, READY-TO-USE, 2.4 GHz wireless solution with built-in RFD21733 interference-tolerant user application protocol. Includes RFID, 32 Bit ESN, Logic Switch Transmitter / Receiver, 9600-8N1 Serial UART Transceiver and many easy-to-use addressable network modes. No development required at all, no RF layout, no code writing, all features are built-in. Be up and running with a wireless solution in minutes.



The RFDANT's Revolutionary Patent Pending design enables it to reach distances of 2,000 feet, while still being an Ultra Low Power device. This huge range is reached without any power amplifiers at all, it's unique design is responsible for it reaching these great distances without any extra battery drain or extra power. The RFDANT makes it easy for you to satisfy GREEN directives due to its unique design and ultra high performance. The RFDANT fits in the palm of your hand and looks like an Antenna, but of course it is much more since it is the whole radio and processing system in one unit. There are no RF cables at all, simply connect +V, GND, and a few logic signal wires based on your application and you are done. There is no need for PCB layout either. You can directly connect to the 11 pin, 8 inch cable extending out of the bottom of the RFDANT.

Features:

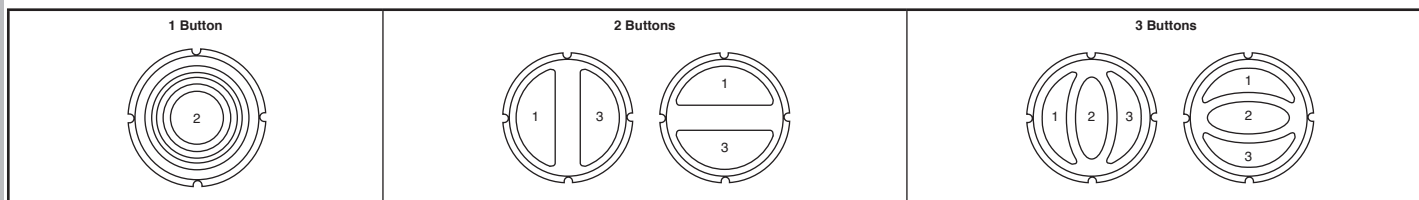
- Runs on a single coin cell for years
- WiFi interference tolerant
- Heavy 2.4GHz noise and interference tolerant
- No external parts required
- No RF layout required
- Easy and ready-to-use, hand-held, eval and application boards available
- Ultra small 15mm x 15mm footprint
- Fully contained, truly finished, ready to use module
- CE/ETSI/IC & FCC Certified and Approved
- Typical range: 500ft (150m)
- 2uA ultra low power modes
- Only 14mA current consumption at 0dbm TX and 17mA at RX

MOUSER STOCK NO.	RF Digital Part No.	Description	Package	Outdoor Range (ft)	Dimensions (LxWxH) (mm)	Price Each			
						1	10	25	50
975-RFD21711	RFD21711	nRF24L01P SMA RF Module	8 Pin Header	300	11 x 22 x 2.5				
975-RFD21712	RFD21712	nRF24L01P PCB Antenna RF Module	8 Pin Header	300	15 x 34 x 5.6				
975-RFD21731	RFD21731	nRF24LE1 Transceiver RF Module, on-board chip antenna.	SMT	500	15 x 15 x 3.5				
975-RFD21732	RFD21732	nRF24LE1 Transceiver RF Module on-board chip antenna, (Includes 32 KHz Crystal)	SMT	500	15 x 15 x 3.5				
975-RFD21733	RFD21733	nRF24LE1 Transceiver RF Module with built in RFD21733 8-mode protocol. Includes on-board chip antenna.	SMT	500	15 x 15 x 3.5				
975-RFD21734	RFD21734	nRF24LE1 Transceiver RF Module for use with external antenna. (Includes 32 KHz Crystal)	SMT	300	15 x 15 x 3.5				
975-RFD21735	RFD21735	nRF24LE1 Transceiver RF Module with built in RFD21733 8-mode protocol, for use with external antenna.	SMT	3000	15 x 15 x 3.5				
975-RFD21743	RFD21743	RFDANT Transceiver RF Module with built in RFD21733 8-mode protocol. Includes built in RFD Antenna	12 Pin Header	2000	100 x 18				

EVALUATION BOARDS

MOUSER STOCK NO.	RF Digital Part No.	Description	Price Each			
			1	10	25	50
975-RFD21736	RFD21736	Evaluation Board for RFD21731 / RFD21732. Plugs directly into the Nordic nRFgo Starter Kit.				
975-RFD21737	RFD21737	RFD21737 Evaluation Board with a mounted RFD21733 Module and a built in chip antenna.				
975-RFD21739	RFD21739	RFD21739 Evaluation Board with a mounted RFD21735 Module and SMA connector. (Requires Antenna)				
975-RFD21764	RFD21764	RFD21741 RFDANT Evaluation Board. Plugs directly into the Nordic nRFgo Starter Kit.				
975-RFD21773	RFD21773	RFDANT Evaluation Board with built in RFD21733 Application Protocol				

KEY FOB TRANSMITTERS



MOUSER STOCK NO.	RF Digital Part No.	Description	Price Each			
			1	10	25	50
975-RFD21781	RFD21781	KEYFOB Transmitter with built in RFD21733 Application Protocol, 1 Button, 2.4 GHz CE, IC, FCC Approved				
975-RFD21791	RFD21791	KEYFOB Transmitter with built in RFD21733 Application Protocol, Active RFID Tag, 1 Button				
975-RFD21782	RFD21782	KEYFOB Transmitter with built in RFD21733 Application Protocol, 2 Button, 2.4 GHz CE, IC, FCC Approved				
975-RFD21792	RFD21792	KEYFOB Transmitter with built in RFD21733 Application Protocol, Active RFID Tag, 2 Button				
975-RFD21783	RFD21783	KEYFOB Transmitter with built in RFD21733 Application Protocol, 3 Button, 2.4 GHz CE, IC, FCC Approved				
975-RFD21793	RFD21793	KEYFOB Transmitter with built in RFD21733 Application Protocol, Active RFID Tag, 3 Button				

ACCESSORIES

MOUSER STOCK NO.	RF Digital Part No.	Description	Price Each
975-RFD21807	RFD21807	2.4 GHz RFD21733 USB Dongle based on FTDI USB IC and RFD21733	
975-RFD21813	RFD21813	Stand Alone Prototyping RF Module based on the RFD21733 - DIP Package	

RFM 802.15.4, FHSS and 802.11



RFM offers a complete line of spread spectrum wireless products for industrial and factory applications. Using both patented frequency hopping technology and open-standard direct sequence technologies, these products fall in two categories: ready-to-use devices for systems integration, and design-in OEM modules for custom applications.

802.15.4 ZIGBEE PRO MODULES

RFM's ZPM3570 module is a standards-based wireless transceiver designed for Smart Energy and other short range wireless markets that require low power consumption, high transmit power (20dBm typical) and high receiver sensitivity (-103dBm). The ZPM3570 is based upon the IEEE 802.15.4 wireless network specification and includes the ZigBee PRO stack. The module can be used to develop applications supporting the ZigBee PRO Smart Energy and Home Automation application profiles. The ZPM3570 module operates in the 2.4GHz unlicensed ISM frequency band for worldwide deployment.

Contains:

- (2) ZPM3570 development boards
- (2) USB and 2 serial cables
- 9V batteries and wall-mount power supplies
- Antennas and RF cables
- Program CD with software and manuals
- Quick Start Guide

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	RFM Part No.	Fig.	Description	Transmit Power	Channels	Data Rate	Price Each		
							1	100	
725-ZPM3570-C	ZPM3570-C	A	2.4GHz DSSS 802.15.4	100mW	-	-			
725-ZPM3570-E	ZPM3570-E	A	2.4GHz DSSS 802.15.4	100mW	-	-			
Development Kits									
725-ZPM3570DK	ZPM3570DK	A	2.4GHz DSSS 802.15.4 Dev. Kit	100mW	-	250kb/s			

802.15.4 PRODUCTS

RFM's LPR2430 Series of 802.15.4 2.4GHz modules is comprised of the low-power LPR2430/LPR2430A and the extended range LPR2430ER/LPR2430ERA. The RFM LPR2430 Series modules are easy to integrate and provide robust wireless communications in applications where meshing is not needed or desired.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	RFM Part No.	Fig.	Description	Transmit Power (mW)	Ch.	RF Data Rate (kbps)	Price Each		
							1	100	
725-LPR2430	LPR2430	B	2.4GHz Transceiver Module, Low-Power	1	16	250			
725-LPR2430A	LPR2430A	-	2.4GHz Transceiver Module, Low-Power, w/Chip Antenna	1	16	250			
725-LPR2430ER	LPR2430ER	-	2.4GHz Transceiver Module, Extended Range	10-100	15	250			
725-LPR2430ERA	LPR2430ERA	-	2.4GHz Transceiver Module, Extended Range, w/Chip Antenna	10-100	15	250			
Development Kits									
725-LPR2430DK	LPR2430DK	-	2.4GHz 802.15.4 Development Kit for LPR2430 Transceiver Module	1	16	250			
725-LPR2430ADK	LPR2430ADK	-	2.4GHz 802.15.4 Development Kit for LPR2430A Transceiver Module	1	16	250			
725-LPR2430ERDK	LPR2430ERDK	-	2.4GHz 802.15.4 Development Kit for LPR2430ER Transceiver Module	10-100	15	250			
725-LPR2430ERADK	LPR2430ERADK	-	2.4GHz 802.15.4 Development Kit for LPR2430ERA Transceiver Module	10-100	15	250			

FREQUENCY HOPPING SPREAD SPECTRUM PRODUCTS

RFM FHSS transceiver modules are based on RFM proprietary technology to ensure secure, error-free delivery of data that is desirable in industrial and factory environments.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	RFM Part No.	Fig.	Description	Transmit Power	Ch.	RF Data Rate	Price Each		
							1	100	
725-DNT900P	DNT900P	-	900MHz Transceiver Module with I/O	1mW to 1W	50	500kbps			
725-DNT900C	DNT900C	-	900MHz Transceiver Module with I/O	1mW to 1W	50	500kbps			
725-DNT24P	DNT24P	C	2.4GHz Transceiver Module with I/O, U.FL RF Coax Connection	10, 63mW	15, 24	250kbps			
725-DNT24C	DNT24C	-	2.4GHz Transceiver Module with I/O, U.FL RF Coax Connection	10, 63mW	15, 24	250kbps			
725-DNT24PA	DNT24PA	-	2.4GHz Transceiver Module with I/O, Chip Antenna	10, 63mW	15, 24	250kbps			
725-DNT24CA	DNT24CA	-	2.4GHz Transceiver Module with I/O, Chip Antenna	10, 63mW	15, 24	250kbps			
725-DNT2400P	DNT2400P	D	2.4GHz Transceiver Module with I/O	100mW	50	38.4-500kbps			
725-DNT2400C	DNT2400C	D	2.4GHz Transceiver Module with I/O, U.FL Connector or PCB Pad	1, 10, 63 mW	50	38.4-500kbps			
725-WIT2410	WIT2410M4G	-	2.4GHz Transceiver OEM Module with Roaming Capability	10/100mW	75	460.8kbps			
725-WIT2410S4G	WIT2410S4G	-	2.4GHz Transceiver OEM Module	10/100mW	75	460.8Kbps			
725-WIT2411D	WIT2411D	-	2.4GHz Transceiver OEM Module	10/100mW	43	1.23Mbps			
Development Kits									
725-DNT24DK	DNT24DK	-	DNT24P Development Kit, 2 boards, antennas, accessories	10, 63mW	15, 24	250kbps			
725-DNT900DK	DNT900DK	-	DNT900 Developer Kit	1mW to 1W	50	500kbps			
725-DNT2400DK	DNT2400DK	-	DNT2400 Development Kit	100mW	50	38.4-500kbps			
725-WIT910DK	WIT910DK	-	WIT910 Development Kit	10/100mW/1W	54	172.8kbps			
725-WIT2450DK	WIT2450DK	-	WIT2450 Development Kit	40/100/250mW	95	460.8Kbps			
719-WIT2410DK	WIT2410DK	-	WIT2410 Development Kit	10/100mW	75	460.8Kbps			

TRANSCIVER MODULES

The DNT90 FHSS transceiver module provides a low-cost, versatile solution for wireless data communications in the 900MHz ISM band. The DNT90 RF output power can be set at 40 or 158mW. The DNT90 receiver input is protected by low-loss SAW filter, providing an excellent combination of receiver sensitivity and out-of-band interference rejection. The DNT90 module includes analog, digital and serial I/O, providing the flexibility to serve applications ranging from cable replacements to sensor networks. The DNT90 transceiver module is easy to integrate and provides reliable wireless communications up to 5 miles in line-of-sight installations.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	RFM Part No.	Fig.	Description	Transmit Power	Channels	Data Rate	Price Each		
							1	100	
725-DNT90P	DNT90P	E	900MHz 150mW Pinned Version	40/158mW	1	100bps			
725-DNT90C	DNT90C	E	900MHz 150mW SMD version	40/158mW	1	100bps			
Development Kits									
725-DNT90DK	DNT90DK	E	900MHz 150mW Dev Kit	40/158mW	1	100bps			

802.11 PRODUCTS

RFM's WSN802G is a 2.4GHz IEEE 802.11g Radio Transceiver Module that enables OEMs to build low-power wireless local area networking (WLAN) and sensor monitoring solutions for the global market. The WSN802G delivers an exceptionally low power profile and long battery life capabilities in a fully functional, certified radio module that is easily interfaced to existing 802.11. bg infrastructure for a wide variety of sensor monitoring and WLAN applications.



For quantities greater than listed, call for quote.

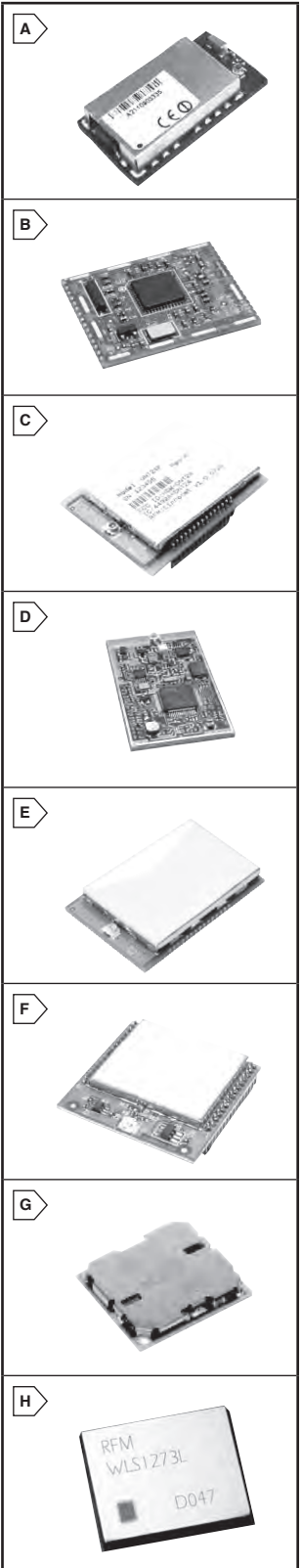
MOUSER STOCK NO.	RFM Part No.	Fig.	Description	Transmit Power	Ch.	Data Rate (Mbps)	Price Each		
							1	100	
725-WSN802GP	WSN802GP	F	2.4GHz 802.11g Radio Transceiver Module	10mW	14	1 or 2			
725-WSN802GC	WSN802GC	F	802.11g Wireless Sensor Network Module - U.FL Coax Connector	10mW	11	1-11			
725-WSN802GCA	WSN802GCA	F	802.11g Wireless Sensor Network Module - Integral Chip Antenna	10mW	11	1-11			
Development Kits									
725-WSN802GDK	WSN802GDK	F	2.4GHz 802.11g Development Kit	10mW	14	1 or 2			
725-WSN802GDK-A	WSN802GDK-A	F	2.4GHz 802.11g Development Kit with Router	10mW	14	1 or 2			

WIFI/BLUETOOTH COMBO SHORT-RANGE RADIO MODULES



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	RFM Part No.	Fig.	Description	Frequency (GHz)	Bluetooth	Data Rate (Mbps)	Price Each		
							1	10	100
725-WLS1270-S	WLS1270-S	G	802.11b/g/n module	2.412-2.485	n/a	1-65			
725-WLS1271-S	WLS1271L-S	G	802.11b/g/n plus Bluetooth module	2.412-2.486	4.0+EDR, Power Class 1.5 +BLE	1-65			
725-WLS1273-S	WLS1273L-S	H	802.11a/b/g/n plus Bluetooth module	2.412-2.487 & 4.920 to 5.824	4.0+EDR, Power Class 1.5 +BLE	1-65			
Development Kits									
725-DR-WLS1270-EV	DR-WLS1270-EV	-	Evaluation Kit for the WLS1270	2.412-2.485	n/a	1-65			
725-DR-WLS1271-EV	DR-WLS1271L-EV	-	Evaluation Kit for the WLS1271L	2.412-2.486	4.0+EDR, Power Class 1.5 +BLE	1-65			
725-DR-WLS1273-EV	DR-WLS1273L-EV	-	Evaluation Kit for the WLS1273L	2.412-2.487 & 4.920 to 5.824	4.0+EDR, Power Class 1.5 +BLE	1-65			



RFM Short Range Radios and RFICs



Products may be RoHS compliant. Check mouser.com for RoHS status.

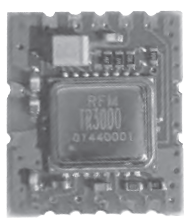
VIRTUAL WIRE RADIO RF MODULES

Features:

- Integrated RF IC with quartz SAW filtering and frequency control components in a single hybrid
- High Data rates for data, control and digitized voice transmissions
- Stable, sensitive receiver technology with excellent "channel capture" performance
- Ultra Low current consumption for operation from small 3V batteries
- Very small, low-profile package to make "watch size" applications practical
- Rugged, self-shielding, metal-ceramic hybrid package
- Wide operating temperature range for industrial and outdoor applications
- Easy to optimize for a wide range of application requirements
- Easy certification to stringent short-range radio regulatory requirements
- No external RF filters, IF filters, resonators or crystals are required

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	RFM Part No.	Description	Power Output	Operating Voltage	Operating Temp. (°C)	Price Each		
						1	100	250
719-DR3000	DR3000	Transceiver Module 916.500MHz	.75mW	2.7Vdc - 3.5Vdc	-40°C to +85°C			
719-DR3100	DR3100	Transceiver Module 433.920MHz	1.2mW	2.7Vdc - 3.5Vdc	-40°C to +85°C			
719-DR3300	DR3300	Transceiver Module 916.50MHz	1mW	2.7Vdc - 3.5Vdc	-40°C to +85°C			
719-DR5000	DR5000	Receiver Module 916.50MHz	--	2.7Vdc - 3.5Vdc	-20°C to +65°C			
719-DR5100	DR5100	Receiver Module 433.92MHz	1mW	2.7Vdc - 3.5Vdc	-20°C to +65°C			



RF Modules

TRANSCIVERS, RECEIVERS, AND TRANSMITTERS

Features:

- For short range wireless data communication applications
- Robust operation
- Low power consumption
- Very small size
- Hybrid, simplifying, speeding design-in
- Excellent suppression of output harmonics

Transceivers - WirelessHART®

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	RFM Part No.	Description	Dimensions (L x W) (in.)	Frequency (MHz)	Operating Temp. (°C)	Price Each		
						1	100	250
725-XDM2510HC	XDM2510HC	XDM2510H Transceiver Module - solder reflow	1.050 x 0.980	2.4GHz	-40 to +85			



Transceivers

Transceivers - ASH

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	RFM Part No.	Description	Case	Frequency (MHz)	Operating Temp. (°C)	Price Each		
						1	100	250
719-TR1000	TR1000	ASH Transceiver Module 115.2kbps	SM-20H	916.5	-40°C to +85°C			
719-TR1001	TR1001	ASH Transceiver Module 115.2kbps	SM-20H	868.35	-40°C to +85°C			
719-TR1100	TR1100	ASH Transceiver Module 115.2kbps	SM-20H	916.5	-40°C to +85°C			
719-TR3000	TR3000	ASH Transceiver Module 115.2kbps	SM-20L	433.92	-40°C to +85°C			
719-TR3001	TR3001	ASH Transceiver Module 115.2kbps	SM-20L	315	-40°C to +85°C			
719-TR3005	TR3005	ASH Transceiver Module 115.2kbps	SM-20H	403.5	-10°C to +55°C			
719-TR7000	TR7000	ASH Transceiver Module 115.2kbps	SM3-20H	433.92	-40°C to +85°C			



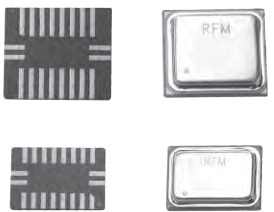
Transceivers

Receivers

719-RX5000	RX5000	ASH Receiver Module 115.2kbps	SM-20L	433.92	-40°C to +85°C			
719-RX5002	RX5002	ASH Receiver Module 115.2kbps	SM-20L	418	-40°C to +85°C			
719-RX5003	RX5003	ASH Receiver Module 115.2kbps	SM-20L	303.825	-40°C to +85°C			
719-RX5500	RX5500	ASH Receiver Module 19.2kbps	SM-20L	433.92	-40°C to +85°C			
719-RX5501	RX5501	ASH Receiver Module 19.2kbps	SM-20L	315	-40°C to +85°C			
719-RX6000	RX6000	ASH Receiver Module 115.2kbps	SM3-20H	916.5	-40°C to +85°C			
719-RX6001	RX6001	ASH Receiver Module 115.2kbps	SM-20H	868.35	-40°C to +85°C			

Transmitters

719-TX5000	TX5000	ASH Transceiver Module 115.2kbps	SM-20L	433.92	-40°C to +85°C			
719-TX6000	TX6000	ASH Transceiver Module 115.2kbps	SM-20H	916.5	-40°C to +85°C			



Receivers and Transmitters

DEVELOPMENT KITS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	RFM Part No.	Description	Frequency (MHz)	Price Each
719-DR7000-DK	DR7000-DK	3G Development Kit	433.92MHz	
719-DR7001-DK	DR7001-DK	3G Development Kit	315MHz	
719-DR7003-DK	DR7003-DK	3G Development Kit	303.828MHz	
719-DR8000-DK	DR8000-DK	3G Development Kit	916.5MHz	
719-DR8001-DK	DR8001-DK	3G Development Kit	868.35MHz	
719-DR8100-DK	DR8100-DK	3G Development Kit	916.5MHz	

RFICS

Features:

- Integrated PLL, IF, Baseband Circuitry
- Support for Multiple Channels
- Wide Frequency range
- Wide operating supply voltage
- Frequency Hopping Spread Spectrum capability
- Low current consumption
- Very few external components required
- Small size plastic packages

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	RFM Part No.	Description	Frequency	Case	Price Each		
					1	10	50
Transceivers							
719-TRC104	TRC104	Multi-channel GFSK RFIC	2.4GHz	24-pin QFN			
719-TRC105	TRC105	Multi-channel FSK RFIC	300-510 MHz	32-pin QFN-32			

Development Kits

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	RFM Part No.	Description	Frequency	Price Each
719-DR-TRC103-915-DK	DR-TRC103-915-DK	TRC103 Development Kit	902-928MHz	
719-DR-TRC104-2400DK	DR-TRC104-2400-DK	TRC104 Development Kit	2.4GHz	
719-DR-TRC105-304-DK	DR-TRC105-304-DK	TRC105 Development Kit	303.325-307.300MHz	
719-DR-TRC105-315-DK	DR-TRC105-315-DK	TRC105 Development Kit	310.000-319.500MHz	
719-DR-TRC105-403-DK	DR-TRC105-403-DK	TRC105 Development Kit	402.000-407.300MHz	
719-DR-TRC105-434-DK	DR-TRC105-434-DK	TRC105 Development Kit	418.000-434.790MHz	



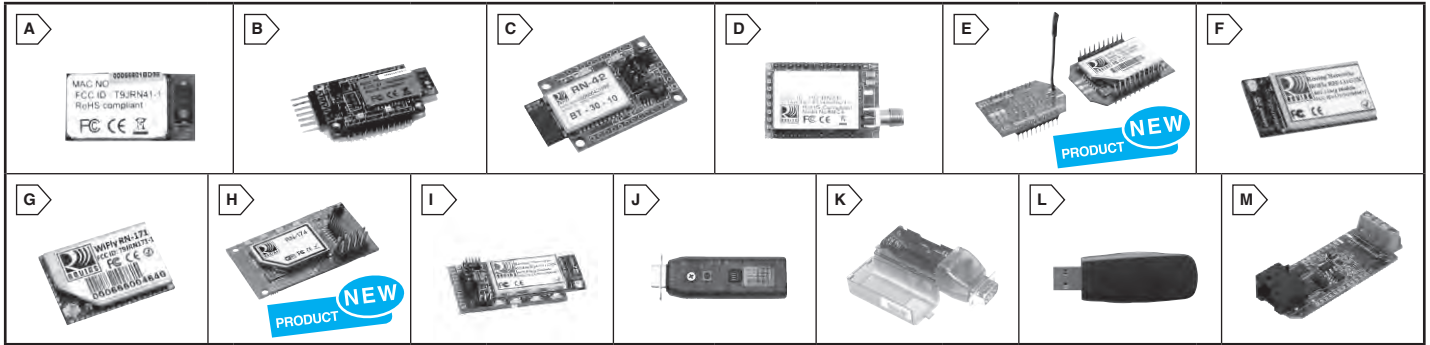
ROVING NETWORKS Adapters and Modules

RoHS Compliant This product is RoHS compliant.



Wireless Solutions

Roving Networks



ROVING NETWORKS EMBEDDED MODULES AND ADAPTERS

Bluetooth Modules

The RN-41 Class 1 module is available with on board chip antenna and is both FCC/CE certified and bluetooth SIG registered. The RN-24 super module has voltage regulation, status LEDs, thru hole pins/headers, and chip (S) or SMA (E) Antenna options.

Features:

- Postage stamp sized modules, 15mm x 22mm
- Castellated SMT pads for easy and reliable PCB mounting
- Bluetooth v1.1, 1.2, and 2.0/EDR compliant
- On board ceramic ANT(S) and external SMA ANT(E) versions
- On board bluetooth stacks/profiles make integration simple (no host code)
- Low power consumption, 1mA standby, 25mA connected
- Sustained data performance of >100kbs bi-directional
- Advanced features such as auto pairing and auto connect master
- Fully configurable with simple AT style commands locally over UART and remotely over Bluetooth
- Complete embedded solution, simplest mode requires only 4-pin connection (TX, RX, VCC, GND)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Roving Networks Part No.	Fig.	Description	Range (Meters)	Interfaces	Size (mm)	Price Each		
							1	5	10
765-RN-41	RN-41	A	Bluetooth v2.0+EDR Class 1	100	UART/USB	13.4 x 25.8 x 2			
765-RN-41-SM	RN-41-SM	B	Bluetooth v2.0+EDR Class 1 Socket Module	100	UART/RS232	28 x 40.8			
765-RN-42-SM	RN-42-SM	C	Class 2 Bluetooth 2.1+EDR Socket Module	100	UART	.9 x 1.3			
765-RN-24S	RN-24S	D	Bluetooth v2.0+EDR Supermodule with Chip Ant.	100	UART/RS485	38.1 x 25.4			
765-RN-24E	RN-24E	D	Bluetooth v2.0+EDR Supermodule with SMA Jack	100	UART/RS485	38.1 x 25.4			

Wi-Fi™ 802.11b/g GSX Embedded Module

The new Wi-Fi GSX Module is a stand alone, embedded wireless 802.11b/g WiFi module that uses 100m WATT when active and 10m WATT in sleep mode. This GSX Module incorporates a 2.4GHz radio, processor, TCP/IP stack, real-time clock, crypto accelerator, power management and analog sensor interfaces. Because of its small form factor and extremely low power consumption, the RN-131G is perfect for mobile wireless applications such as asset monitoring, GPS tracking and battery sensors. The RN-134 Super Module is built upon Roving Networks RN-131 WiFi GSX module. The RN-134 is a field ready, WiFi certified 802.11b/g solution.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Roving Networks Part No.	Fig.	Description	Frequency (MHz)	Number of Channels	Channel Intervals	Price Each		
							1	5	10
765-RN-XV	RN-XV-W	E	802.15.4 replacement solution with ¼ inch wire antenna	2402-2480	1-14	5MHz			
765-RN-XV-S	RN-XV-S	E	802.15.4 replacement solution with SMA antenna	2402-2480	1-14	5MHz			
765-RN-XV-U	RN-XV-U	E	802.15.4 replacement solution with U.F.L. Connector	2402-2480	1-14	5MHz			
765-RN-131G	RN-131G	F	802.11b/g WiFi GSX Module - Industrial Temperature	2402-2480	1-14	5MHz			
765-RN-131C	RN-131C	F	802.11b/g WiFi GSX Module - Commercial Temperature	2402-2480	1-14	5MHz			
765-RN-171	RN-171	G	WiFi GSX 802.11b/g Module, Industrial Temperature	2402-2480	1-14	5MHz			
765-RN-174	RN-174-P	G	RN-174 board with PCB trace antenna, standard firmware	2402-2480	1-14	5MHz			
765-RN-174-W	RN-174-W	H	RN-174 board with wire antenna, standard firmware	2402-2480	1-14	5MHz			
765-RN-174-C	RN-174-C	H	RN-174 board with chip antenna, standard firmware	2402-2480	1-14	5MHz			
765-RN-174-U	RN-174-U	H	RN-174 board with U.F.L. connector, standard firmware	2402-2480	1-14	5MHz			
765-RN-174-K	RN-174-K	H	Development Kit with RN-174-P WiFi ESX Super Module	2402-2480	1-14	5MHz			
765-RN-131G-EVAL	RN-131G-EVAL	-	WiFi GSX 802.11b/g Development Kit	--	--	--			
765-RN-134	RN-134	I	WiFi GSX Super Module, RS232 and TTL signaling, status LEDs, 3-12 Volt Power Regulators	2402-2480	1-14	5MHz			
765-RN-134-K	RN-134-K	-	Evaluation Kit with RN-134 WiFi GSX Super Module	--	--	--			

Bluetooth™ Adapters

Roving Networks offers several serial adapters and sensors to integrate your embedded device, allowing access from wireless enabled PCs, PDAs, cellphones, and networks.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Roving Networks Part No.	Fig.	Description	Price Each		
				1	5	10
765-RN-240M	RN-240M	J	Bluetooth to RS232 adapter with male connector			
765-RN-240F	RN-240F	J	Bluetooth to RS232 adapter with female connector			
765-RN-422M	RN-422M	J	Bluetooth to RS422 adapter with male connector			
765-RN-270M	RN-270M	K	Bluetooth to RS232 adapter, AAA battery powered with male connector			
765-RN-270F	RN-270F	K	Bluetooth to RS232 adapter, AAA battery powered with female connector			
765-RN-USB-X	RN-USB-X	L	Bluetooth 2.1 "driverless" USB dongle			
765-RN-USB-T	RN-USB-T	L	Bluetooth 2.0 USB dongle			
765-RN-800S-CB	RN-800S-CB	M	Bluetooth data acquisition and control module			

Wi-Fi Adapters

The Roving Networks Wi-Fi serial adapters supply a serial-to-Wi-Fi bridge, providing wireless connectivity to any legacy system that supports serial communication.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Roving Networks Part No.	Description	Price Each		
			1	5	10
765-RN-340M	RN-340M-W	Wi-Fi to RS232 adapter with Male DB9 connector, wire antenna			103.79

ACCESSORIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Roving Networks Part No.	Description	Price Each		
			1	5	10
765-RN-PS-US	RN-PS-US	Power Supply-5VDC 1A, 100-240VAC 50-60Hz auto sensing			
765-RN-PS-INT	RN-PS-INT	Power Supply-Includes connectors for North America, Europe, UK, and Australia/New Zealand			
765-RN-PS-USB	RN-PS-USB	Power Supply-Powers from USB Port			
765-RN-SMA-S	RN-SMA-S	1" Antenna, 2.4GHZ, Space Saver			
765-RN-SMA4-RP	RN-SMA4-RP	4" Reverse Polarity, Long Range Antenna			
765-RN-SMA-4	RN-SMA-4	Antenna with SMA Connector - 2.4GHZ Male 4", base can rotate to any angle for optimal positioning			
765-RN-UFL-SMA6	RN-UFL-SMA6	6" Coax Cable with U.F.L and RPSMA Connectors			
765-RN-USB-SERIAL	RN-USB-SERIAL	1 meter Smart USB 1.1 to RS232 Serial Cable			
765-RN-SRL-PRO3V-BLK	RN-SRL-PRO3V-BLK	USB to TTL cable with black housing, Prolific drivers, 1.8 meter cable length, tin leads			
765-RN-SRL-PRO3V-CLR	RN-SRL-PRO3V-CLR	USB to TTL cable with clear housing, Prolific drivers, 1.8 meter cable length, tin leads			
765-RN-SRL-FTD5V-BLK	RN-SRL-FTD5V-BLK	USB to TTL cable with black housing, FTDI drivers, 1.8 meter cable length, tin leads			
765-RN-SRL-FTD5V-CLR	RN-SRL-FTD5V-CLR	USB to TTL cable with clear housing, FTDI drivers, 1.8 meter cable length, tin leads			
765-RN-SRL-PRO3V-DGL	RN-SRL-PRO3V-DGL	USB to TTL dongle, Prolific drivers, bare PCB with 3V serial connector			
765-RN-SRL-FTD5V-DGL	RN-SRL-FTD5V-DGL	USB to TTL dongle, FTDI drivers, bare PCB with 5V serial connector			

SILICON LABS Wireless Solutions



This product is RoHS compliant.



EMBER® ZIGBEE® MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Description	Price Each
634-EM351-MOD-ANT-T	EM351-MOD-ANT-T	Ember® Zigbee® Platform Module EM351 No PA/LNA includes Antenna	
634-EM351-MOD-LRANTT	EM351-MOD-LR-ANT-T	Ember® Zigbee® Platform Module EM351 w/PA/LNA includes Antenna	
634-EM351-MOD-LR-RFT	EM351-MOD-LR-RF-T	Ember® Zigbee® Platform Module EM351 w/PA/LNA and RF Connect	
634-EM351-MOD-RF-T	EM351-MOD-RF-T	Ember® Zigbee® Platform Module EM351 No PA/LNA and RF Connect	
634-EM357-MOD-ANT-T	EM357-MOD-ANT-T	Ember® Zigbee® Platform Module EM357 No PA/LNA includes Antenna	
634-EM357-MOD-LRANTT	EM357-MOD-LR-ANT-T	Ember® Zigbee® Platform Module EM357 w/PA/LNA includes Antenna	
634-EM357-MOD-LR-RFT	EM357-MOD-LR-RF-T	Ember® Zigbee® Platform Module EM357 w/PA/LNA and RF Connect	
634-EM357-MOD-RF-T	EM357-MOD-RF-T	Ember® Zigbee® Platform Module EM357 No PA/LNA and RF Connect	

EMBER® ZIGBEE® DEVICES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Description	Price Each
634-EM351-RTR	EM351-RTR	Ember® Zigbee® platform 802.15.4 2.4GHz EM351 Integrated SoC	
634-EM357-RTR	EM357-RTR	Ember® Zigbee® platform 802.15.4 2.4GHz EM357 Integrated SoC	

EMBER® ZIGBEE® DEVELOPMENT TOOLS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Description	Price Each
634-EM35X-DEV	EM35X-DEV	EM351 and EM357 Dev. Kit with 30-day trial license for IAR Embedded Workbench for ARM	
634-EM35X-DEV-UPGIAR	EM35X-DEV-UPGIAR	IAR EWARM license for use with the EM53x Development Kit	
634-EM35X-DEV-IAR	EM35X-DEV-IAR	EM351 and EM357 Dev. Kit with a full standalone Cortex-M3 License for IAR Embedded Workbench for ARM	
634-EM35X-BBRD	EM35X-BBRD	EM351 and EM357 Breakout Board (RS-232, UART)	
634-EM35X-NCP-ADDONS	EM35X-NCP-ADDONS	Network Co-Processor Development with an existing EM35x Development Kit	
634-ISA3	ISA4	InSight Adapter (ISA3), Debug Port Interface, TCP/IP 10/100 Ethernet	

WIRELESS DEVELOPMENT KITS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Description	Price Each
634-SI1020-915-A-DK	SI1020-915-A-DK	Si1020 915MHz Wireless Development Kit	
634-SI1024-868-A-DK	SI1024-868-A-DK	Si1024 868MHz Wireless Development Kit	
634-SI1024-868-A-SDK	SI1024-868-LDK	Si1024 868MHz Wireless Development Kit	
634-4311-DK1	4311-DK1	Si4311 Receiver Demo Board	
634-4312-DK1	4312-DK1	Si4312 Receiver Demo Board	
634-ENERGYHARVEST-RD	ENERGY-HARVEST-RD	Solar powered low power wireless sensor node	

WIRELESS REMOTE CONTROL DEMO KITS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Description	Price Each
634-4010-DASKF434	4010-DASKF_434	Si4010 Key FOB Demo with LED Rx	
634-4010-DASKF_868	4010-DASKF_868	Si4010 Key FOB Demo w/LED (868MHz)	
634-4010-DAAKF434	4010-DAAKF_434	Si4010 AES KeyFOB Demo with LCD Rx	
634-4010-DAAKF_868	4010-DAAKF_868	Si4010 AES KeyFOB Demo with LCD Rx	
634-4010-DKKF434	4010-DKKF_434	Si4010 Wireless Automated Dev Kit	
634-4010-KFOBDEV-434	4010-KFOBDEV-434	Si4010/Si4355 Key Fob Development Kit (434 MHz)	
634-4010-KFOBDEV-868	4010-KFOBDEV-868	Si4010/Si4355 Key Fob Development Kit (868 MHz)	
634-4010-KFOBDEV-915	4010-KFOBDEV-915	Si4010/Si4355 Key Fob Development Kit (915 MHz)	
634-4010-AES1W-315	4010-AES1W-315	Si4010/Si4355 One-Way AES Development Kit (315 MHz)	
634-4010-AES1W-434	4010-AES1W-434	Si4010/Si4355 One-Way AES Development Kit (434 MHz)	
634-4010-AES1W-868	4010-AES1W-868	Si4010/Si4355 One-Way AES Development Kit (868 MHz)	
634-4010-AES1W-915	4010-AES1W-915	Si4010/Si4355 One-Way AES Development Kit (915 MHz)	
634-EZR-LEDK1W-434	EZR-LEDK1W-434	Si4010/Si4355 Key Fob to LED Rx Stick Demo Kit (434 MHz)	
634-EZR-LEDK1W-868	EZR-LEDK1W-868	Si4010/Si4355 Key Fob to LED Rx Stick Demo Kit (868 MHz)	
634-EZR-LEDK1W-915	EZR-LEDK1W-915	Si4010/Si4355 Key Fob to LED Rx Stick Demo Kit (915 MHz)	
634-EZR-LEDK2W-434	EZR-LEDK2W-434	Si4455 Two Way Key Fob to LED Rx Stick Demo Kit (434MHz)	
634-EZR-LEDK2W-868	EZR-LEDK2W-868	Si4455 Two Way Key Fob to LED Rx Stick Demo Kit (868MHz)	
634-EZR-LEDK2W-915	EZR-LEDK2W-915	Si4455 Two Way Key Fob to LED Rx Stick Demo Kit (915MHz)	
634-EZR-LCDK2W-434	EZR-LCDK2W-434	Two Way LCD Development Kit (434 MHz)	

WIRELESS MCU DEVELOPMENT KITS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Description	Price Each
634-SI1000DK	SI1000DK	Si100x Programmable XCVR Development Kit	
634-SI1010DK	SI1010DK	Si101x Programmable XCVR Development Kit	
634-SISNAP915DK	SISNAP915DK	915MHz Snap enabled XCVR Dev Kit	
634-SISNAP915EK	SISNAP915EK	915MHz Snap enabled XCVR Eval Kit	

EZLINK DEVELOPMENT KITS

The EZLink fast prototyping kits comes complete with two EZLink modules, two peripheral/prototyping boards, cables, debug adapter and a full Keil compiler (code size restricted trial version).

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Description	Price Each
634-EZLC4431B1-D434	EZLC4431B1-D434	EZLink™ Fast Prototype Kit - Si4431 434MHz	
634-EZLC4431B1-D868	EZLC4431B1-D868	EZLink™ Fast Prototype Kit - Si4431 868MHz	
634-EZLC4432B1-D470	EZLC4432B1-D470	EZLink™ Fast Prototype Kit - Si4432 470MHz	

EZRADIO TEST CARDS

Silicon Labs offers a number of test cards to aid engineers in developing RF links using designs similar to those they will use in their final board layouts. Designs include those focused on regional regulations and features such as antenna diversity.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Description	Price Each
Transmitters			
634-4021-DKDB11	4021-DKDB11	Si4021 Test Board, loop (434MHz)	
634-4021-DKDB3	4021-DKDB3	Si4021 Test Board, BIFA (868MHz)	
634-4021-DKDB7	4021-DKDB7	Si4021 Test Board, xloop (915/868MHz)	
Receivers			
634-4320-DKDB10	4320-DKDB10	Si4320 Test Board, xloop (434MHz)	
634-4320-DKDB4	4320-DKDB4	Si4320 Test Board, BIFA (915MHz)	
634-4320-DKDB5	4320-DKDB5	Si4320 Test Board, BIFA (868MHz)	
634-4320-DKDB8	4320-DKDB8	Si4320 Test Board, xloop (915MHz)	
634-4320-DKDB9	4320-DKDB9	Si4320 Test Board, xloop (868MHz)	
634-4313-T-B1BANY	4313-T-B1 B ANY	Si4313 Test Board, 50 Ohm (240-960MHz)	

WIRELESS MCU TEST CARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Description	Price Each
634-1000-TCB1C915	1000-TCB1C915	Single Switch Antenna for Si1000-C-GM 915 MHz	
634-1000-TCB1C470	1000-TCB1C470	Single Switch Antenna for Si1000-C-GM 470 MHz	
634-1002-TCB1D868	1002-TCB1D868	Single Tied Antenna for Si1002 868 MHz	
634-1002-TCB1D434	1002-TCB1D434	Single Tied Antenna for Si1002 434 MHz	
634-1004-TCB1D868	1004-TCB1D868	Single Tied Antenna for Si1004 868 MHz	
634-1004-TCB1D434	1004-TCB1D434	Single Tied Antenna for Si1004 434 MHz	
634-1010-TAB1C915	1010-TAB1C915	Single Switch Antenna for Si1010 915 MHz	
634-1010-TAB1C470	1010-TAB1C470	Single Switch Antenna for Si1010 470 MHz	
634-1012-TAB1D868	1012-TAB1D868	Single Tied Antenna for Si1012 868 MHz	
634-1012-TAB1D434	1012-TAB1D434	Single Tied Antenna for Si1012 434 MHz	

SILICON LABS Wireless Solutions



This product is RoHS compliant.



Wireless Solutions

Silicon Labs

EZRADIO®



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	Modulation Mode	Data Rate FSK, OOK (kbps)	Frequency Range (MHz)	Output Power		Supply Voltage (V)	Idle Current (mA)	Price Each		
						868MHz	434MHz			1	25	100
Transmitter ICs												
634-SI4020-I1-FT	SI4020-I1-FT	TSSOP-16	FSK, OOK	256, 256	315, 433, 868, 915	1dBm	3dBm	2.2 - 5.4	1.5			
634-SI4021-A1-FT	SI4021-A1-FT	TSSOP-16	FSK, OOK	115, 512	433, 868, 915	6dBm	8dBm	2.2 - 5.4	1.5			
Receiver ICs												
634-SI4355-B1A-FM	SI4355-B1A-FM	QFN-20	(G)FSK, OOK	500, 120	283 - 960	-	-	1.8 - 3.6	-			
634-SI4312-B10-GM	SI4312-B10-GM	QFN-20	OOK	10	315, 434	-	-	2.7 - 3.6	-			
634-SI4313-B1-FM	SI4313-B1-FM	QFN-20	FSK, OOK	256, 40	315, 434, 868, 915	-	-	1.8 - 3.6	-			
634-SI4320-J1-FT	SI4320-J1-FT	TSSOP-16	FSK, OOK	256, 1	315, 433, 868, 915	-	-	2.2 - 5.4	3			
634-SI4322-A0-FT	SI4322-A0-FT	TSSOP-16	FSK	256	433, 868, 915	-	-	2.2 - 3.8	0.5			
Transceiver ICs												
634-SI4455-B1A-FM	SI4455-B1A-FM	QFN-20	(G)FSK, OOK	500, 120	283 - 960	12dBm	13dBm	1.8 - 3.6	-			
634-SI4420-D1-FT	SI4420-D1-FT	TSSOP-16	FSK	256	315, 433, 868, 915	2dBm	3dBm	2.2 - 5.4	3			
634-SI4421-A1-FT	SI4421-A1-FT	TSSOP-16	FSK	115	315, 433, 868, 915	7dBm	5dBm	2.2 - 3.8	0.6			

EZRADIOPRO™

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	Modulation Mode	Data Rate (kbps)		Frequency Range (MHz)	Output Power	Supply Voltage (V)	Idle Current (mA)	Price Each		
				FSK/GFSK	OOK					1	25	100
Transmitter ICs												
634-SI4030-B1-FM	SI4030-B1-FM	QFN-20	FSK, GFSK, OOK	128	40	900 - 960	-8 to +13	1.8 - 3.6	27			
634-SI4031-B1-FM	SI4031-B1-FM	QFN-20	FSK, GFSK, OOK	128	40	240 - 930	-8 to +13	1.8 - 3.6	27			
634-SI4032-B1-FM	SI4032-B1-FM	QFN-20	FSK, GFSK, OOK	128	40	240 - 930	+11 to +20	1.8 - 3.6	27			
Receiver ICs												
634-SI4330-B1-FM	SI4330-B1-FM	QFN-20	FSK, GFSK, OOK	128	40	240 - 930	-	1.8 - 3.6	18.5			
Transceiver ICs												
634-SI4430-B1-FM	SI4430-B1-FM	QFN-20	FSK, GFSK, OOK	128	40	900 - 960	-8 to +13	1.8 - 3.6	18.5/27			
634-SI4431-B1-FM	SI4431-B1-FM	QFN-20	FSK, GFSK, OOK	128	40	240 - 930	-8 to +13	1.8 - 3.6	18.5/27			
634-SI4432-B1-FM	SI4432-B1-FM	QFN-20	FSK, GFSK, OOK	128	40	240 - 930	-11 to +20	1.8 - 3.6	18.5/27			

HIGH PERFORMANCE AM/FM RADIO RECEIVERS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	Supply Voltage (V)	Supply Current		FM Band Support (MHz)	AM Band Support (kHz)	SW Band Support (MHz)	Interface	Powerdown Current (µA)	Price Each		
				FM Mode (mA)	AM/SW Mode (mA)						1	25	100
634-SI4770-A20-GM	SI4770-A20-GM	QFN-40	-0.5-5.9	79	81	64 - 108	520 - 1710	-----	I2C	420			
634-SI4777-A20-GM	SI4777-A20-GM	QFN-40	-0.5-5.9	79	81	64 - 108	520 - 1710	-----	I2C	420			
634-SI4840-A10-GU	SI4840-A10-GU	SSOP-24	2.0-3.6	21	17	64 - 109	504 - 1750	-----	I2C	10.10			
634-SI4844-A10-GU	SI4844-A10-GU	SSOP-24	2.0-3.6	21	17	64 - 109	504 - 1750	2.3 - 28.5	I2C	10.10			

Demonstration Boards

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	Price Each
634-4770MODULE-A-EVB	SI4770MODULE-A-EVB	SI4770 Module Evaluation Kit	
634-SI4770-A-EVB	SI4770-A-EVB	SI477x Evaluation Kit	
634-SI4844-DEMO	SI4844-DEMO	Consumer Electronics AM/FM/SW EVB	

SI100X/1X SINGLE CHIP WIRELESS MCU

The SI100x/1x family is the lowest power single chip MCU with integrated sub-GHz RF transceiver. It has been designed to address the specific requirements of low power embedded systems requiring a RF bi-directional communication link such as metering, in-home utility monitoring, wireless security panels, wireless sensors, home & building automation, and access control.

Specifications:

- Peak MIPS: 25
- Communications: I2C, SPI, UART
- Timers (16-bit): 4
- QFN-42 Package Style

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Flash (bytes)	RAM (bytes)	Digital Port I/O Pins	ADC 1	+11/+20 dBm TX Current (mA)	+13 dBm TX Current (mA)	Price Each		
								1	25	100
634-SI1010-A-GM	SI1010-A-GM	16	768	15	12-bit, 11-ch, 75ksps	35/85	-			
634-SI1011-A-GM	SI1011-A-GM	8	768	15	12-bit, 11-ch, 75ksps	35/85	-			
634-SI1012-A-GM	SI1012-A-GM	16	768	15	12-bit, 11-ch, 75ksps	-	30			
634-SI1013-A-GM	SI1013-A-GM	8	768	15	12-bit, 11-ch, 75ksps	-	30			
634-SI1014-A-GM	SI1014-A-GM	16	768	15	12-bit, 11-ch, 75ksps	-	30			
634-SI1015-A-GM	SI1015-A-GM	8	768	15	12-bit, 11-ch, 75ksps	-	30			

SI102X/3X ULTRA LOW POWER WIRELESS MCUS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Flash (bytes)	RAM (bytes)	Digital Port I/O Pins	Interfaces				Analog Peripherals				Price Each			
					UART	I2C	SPI	Timers	PCA ch.	ADC	Temp Sensor	VREF	Comparators	1	25	100
634-SI1020-A-GM	SI1020-A-GM	128	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2			
634-SI1021-A-GM	SI1021-A-GM	64	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2			
634-SI1022-A-GM	SI1022-A-GM	32	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2			
634-SI1023-A-GM	SI1023-A-GM	16	4352	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2			
634-SI1024-A-GM	SI1024-A-GM	128	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2			
634-SI1025-A-GM	SI1025-A-GM	64	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2			
634-SI1026-A-GM	SI1026-A-GM	32	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2			
634-SI1027-A-GM	SI1027-A-GM	16	4352	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2			
634-SI1030-A-GM	SI1030-A-GM	128	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2			
634-SI1031-A-GM	SI1031-A-GM	64	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2			
634-SI1032-A-GM	SI1032-A-GM	32	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2			
634-SI1033-A-GM	SI1033-A-GM	16	4352	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2			
634-SI1034-A-GM	SI1034-A-GM	128	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2			
634-SI1035-A-GM	SI1035-A-GM	64	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2			
634-SI1036-A-GM	SI1036-A-GM	32	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2			
634-SI1037-A-GM	SI1037-A-GM	16	4352	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2			

SKYEMODULE™ DEVELOPER KITS

The SkyeTek™ Developer Kit is a complete RFID development tool kit that enables quick demonstrations, proof-of-concepts, and trials when integrating RFID into numerous applications and products. The SkyeTek™ Developer Kit includes all the components needed to get started, including: reader modules, sample tags, RFID antennas, connectors, demo software, device drivers, design guides, application notes, and more.

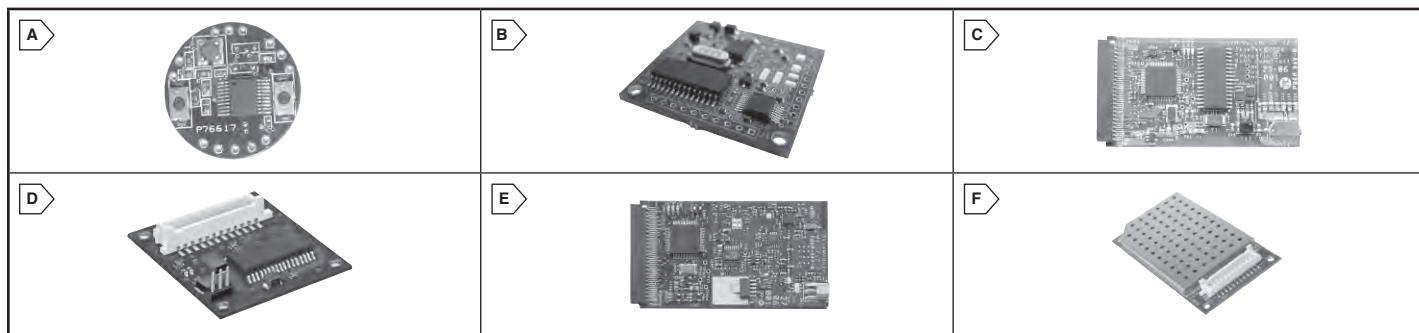


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	SkyeTek Part No.	Fig.	Description	Frequency	Size (mm) L x W x H	Effective Range	Price Each
731-DK-M2-00-HF	DK-M2-00-HF	A	M2 Development Kit with 1 M2 CF and 1 M2 MH module	HF 13.56MHz	66 x 36 x 5	3cm - 16cm	
731-DK-M9-CF-UF	DK-M9-CF-UF	B	M9 Development Kit with 1 M9 CF module	UHF 862 - 955MHz	66 x 36 x 5	1m - 3.5m	
731-DK-M9-MH-UF	DK-M9-MH-UF	B	M9 Development Kit with 1 M9 MH module	UHF 862 - 955MHz	66 x 36 x 5	1m - 3.5m	
731-DK-IL-00-00	DK-IL-00-00	C	Item-Level Dev Kit with 1 M2 CF and 1 M9 CF module	HF and UHF	- - -	- - -	
731-DK-M10-MH-UF	DK-M10-MH-UF	-	M10 Development Kit with 1 M10 UHF Module	UHF 860-960MHz	42.8 x 76.5 x 11.2	2m - 5m	

SKYEMODULE™ EMBEDDED RFID READERS

SkyeTek's SkyeModules are space, cost and power efficient RFID reader modules for highly performing embedded RFID applications. SkyeTek's Advanced Universal Reader Architecture (AURA)™ and robust software drive powerful functionality into an extremely small form factor. This functionality allows a diverse range of companies, primarily OEMs and systems integrators, to add RFID as a feature to their products, services and applications.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	SkyeTek Part No.	Fig.	Description	Frequency	Max PF Power	Size (mm) L x W x H	Effective Range	Price Each	
								1	10
731-SM-MN-00-HF-RC	SM-MN-00-HF-RC	A	SkyeModule M1-mini HF, TTL Firmware	13.56	100mW	25 x 25 x 2.8	5.0cm - 8.5cm		
731-SM-MN-00-HFRCI2C	SM-MN-00-HF-RCI2C	A	SkyeModule M1-mini HF, I2C Firmware	13.56	100mW	25 x 25 x 2.8	5.0cm - 8.5cm		
731-SM-MN-00-HFRCSPI	SM-MN-00-HF-RCSPI	A	SkyeModule M1-mini HF, SPI Firmware	13.56	100mW	25 x 25 x 2.8	5.0cm - 8.5cm		
731-SM-M1-00-HF-RC	SM-M1-00-HF-RC	B	SkyeModule M1 HF, TTL Firmware	13.56	100mW	40 x 38 x 5.7	5.0cm - 8.5cm		
731-SM-M1-00-HFRCI2C	SM-M1-00-HF-RCI2C	B	SkyeModule M1 HF, I2C Firmware	13.56	100mW	40 x 38 x 5.7	5.0cm - 8.5cm		
731-SM-M1-00-HFRCSPI	SM-M1-00-HF-RCSPI	B	SkyeModule M1 HF, SPI Firmware	13.56	100mW	40 x 38 x 5.7	5.0cm - 8.5cm		
731-SM-M2-MH-HF	SM-M2-MH-HF	C	SkyeModule M2 HF, MH Format	13.56	250mW	70 x 53 x 9	4.5cm - 14cm		
731-SM-M4-00-HF-PA	SM-M4-00-HF-PA	D	SkyeModule M4, Product Authentication	13.56	250mW	39 x 36 x 11.3	4.5cm - 14cm		
731-SM-M7-00-UF	SM-M7-00-UF	-	SkyeModule M7 UHF	862 - 955	250mW	53 x 36 x 9	0.3m - 1.5m		
731-SM-M9-CF-UF	SM-M9-CF-UF-V30	E	SkyeModule M9 UHF, CF Format	862 - 955	500mW	66 x 36 x 5	1m - 3m		
731-SM-M9-MH-UF	SM-M9-MH-UF-V30	E	SkyeModule M9 UHF, MH Format	862 - 955	500mW	70 x 53 x 9	1m - 3m		
731-SM-M10-MH-UF	SM-M10-MH-UF	F	SkyeModule M10 UHF	862 - 955	1W	42.8 x 76.5 x 11.2	2m - 5m		

SKYEMODULE™ MULTI-PLEXER ACCESSORIES

SkyeTek offers the SkyePlus™ MXH and MXU antenna multiplexers to expand the reader's capability by adding up to 8 antennas. The addition of multiplexers can help significantly reduce overall solution cost and are best used in applications that require multiple read-points.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	SkyeTek Part No.	Description	Price Each
731-SP-MX-04-HF-M2	SP-MX-04-HF-M2	HF 4-Port Multiplexer for M2 module	
731-SP-MX-04-UF-M9	SP-MX-04-UF-M9	UHF 4-Port Multiplexer for M9 module	
731-SP-MX-08-UF-M9	SP-MX-08-UF-M9	UHF 8-Port Multiplexer for M9 module	

SKYETEK FINISHED RFID READERS AND DEVELOPMENT KITS

SkyeTek directly and through partnerships offers a complete set of finished RFID reader products, including the SR 70, a desktop/counter-top RFID reader/writer, as well as mobile and portal readers, smart containers and RFID printers/encoders.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	SkyeTek Part No.	Description	Frequency	Communication Rate	Size (in) L x W x D	Read Range	Price Each	
							1	10
731-SR70-00-UF	SR70-00-UF	SR70 USB UHF RFID	902 - 928MHz	40kbps	5.8 x 3.5 x 1.0	up to 12 Inches		

DEVELOPER KITS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	SkyeTek Part No.	Description	Power Supply	Number of USB Cables	Software	Price Each
731-DK-SR70-00-UF	DK-SR70-00-UF	SkyeReader SR70 Development Kit	1.9V	1	CD of Skyereader Console and SkyeAPI C/.NET	

TEXAS INSTRUMENTS Low Power RF Solutions



This product is RoHS compliant.

Wireless Solutions

Texas Instruments

ZIGBEE® SOLUTION KITS

MOUSER STOCK NO.	Texas Instruments Part No.	Description	Price Each
595-CC2520DK	CC2520DK	CC2520 Development Kit	
595-CC2540DK-MINI	CC2540DK-MINI	CC2540 Development Kit	
595-TRF370417EVM	TRF370417EVM	TRF370417 Evaluation Module Kit	

ZIGBEE® CHIPSET

- Zigbee Complies with EN 300 220 and FCC CFR 47, Part 15
- IEEE 802.15.4 Compliant

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Freq. Min/Max (MHz)	Operating Volt Min/Max	Modulation Techniques	Hardware MAC Encry/Auth	Price Each			
							1	25	100	250
839-CC2420T/R-R	CC2420RTCR	QLP-48	2400/2483.5	2.1/3.6	DSSS	Yes				
839-CC2430-F32	CC2430F32RTC	QLP-48	2400/2483.5	2.1/3.6	DSSS	Yes				
839-CC2431	CC2431RTC	QLP-48	2400	2.1/3.6	DSSS	Yes				

RF ISM BAND TOOL SOLUTIONS

IEEE802.15.4

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Frequency. (Min) (MHz)	Frequency (Max) (MHz)	Modulation Techniques	Integrated Bit Synchronizer	Internal RF Switch/IF Filter	Price Each			
								1	25	100	250
595-CC2520RHDT	CC2520RHDT	QFN-28	2394	2507	DSSS	Yes	Yes				
595-CC2533F32RHAT	CC2533F32RHAT	VQFN-40	2394	2507	DSSS	No	No				
839-CC2430-F32	CC2430F32RTC	QFN-48	2400	2483.5	DSSS	Yes	Yes				
839-CC2431	CC2431RTC	QFN-48	2400	2483.5	DSSS	Yes	Yes				
Evaluation Board								1			
595-TRF2436EVM	TRF2436EVM	Description						TRF2436 Evaluation Module			

ISM 2.4GHz

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Current Consumption (RX) (mA)	Ram (KB)	Flash (KB)	Frequency. (Min) (MHz)	Frequency (Max) (MHz)	Modulation Techniques	Price Each			
									1	25	100	250
839-CC2500	CC2500RTK	QFN-20	12.8	-	-	2400	2483	-				
595-CC2540F128RHAT	CC2540F128RHAT	VQFN-40	19.6	8	128	2402	2480	GFSK				
595-CC2540F256RHAT	CC2540F256RHAT	VQFN-40	19.6	8	256	2402	2480	GFSK				
839-CC2510F8RSP	CC2510F8RSP	QFN-36	22	1	8	2400	2483.5	2-FSK, GFSK, MSK				
839-CC2510F16RSP	CC2510F16RSP	QFN-36	22	2	16	2400	2483.5	2-FSK, GFSK, MSK				
839-CC2511F16RSP	CC2511F16RSP	QFN-36	22	2	16	2400	2483.5	2-FSK, GFSK, MSK				
839-CC2511F32RSP	CC2511F32RSP	QFN-36	22	4	32	2400	2483.5	2-FSK, GFSK, MSK				
839-CC2510F32RSP	CC2510F32RSP	QFN-36	22	4	32	2400	2483.5	2-FSK, GFSK, MSK				
595-CC2570RHAT	CC2570RHAT	QFN-40	23.7	-	-	2400	2495	GFSK				
595-CC2571RHAT	CC2571RHAT	QFN-40	23.7	-	-	2400	2495	GFSK				
839-CC2400R	CC2400RSU	QFN-48	24	-	-	2400	2483	-				
595-CC8520RHAT	CC8520RHAT	VQFN-40	25	-	-	2400	2483.5	-				
595-CC2430ZF128RTRC	CC2430ZF128RTRC	QFN-48	27	8	128	2400	2483.5	DSSS				
595-CC8521RHAT	CC8521RHAT	QFN-40	29	-	-	2400	2483.5	-				
595-CC8531RHAT	CC8531RHAT	QFN-40	29	-	-	2400	2483.5	-				
595-CC2591RGVR	CC2591RGVR	QFN-16	1.7-3.4	-	-	2400	2483.5	-				
595-CC2591RGVT	CC2591RGVT	QFN-16	1.7-3.4	-	-	2400	2483.5	-				

SUB 1-GHz

- Complies with EN 300 220 and FCC CFR 47, Part 15

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Frequency (MHz)		Flash Size (kB)	Ram Size (byte)	Operating Volt Min/Max	Data Rate (Max) (Mbps)	Output Power	Price Each		
			Min.	Max.						1	25	100
839-CC1000R	CC1000PW	TSSOP-28	300	1000	-	-	2.1/3.6	76.8	Single-Ended			
839-CC1000T/R-R	CC1000PWR	TSSOP-28	300	1000	-	-	2.1/3.6	76.8	Single-Ended			
595-CC1020RUZ	CC1020RUZ	QFN-32	402/804	470/960	-	-	2.3/3.6	153.6	Single-Ended			
595-CC1020RUZR	CC1020RUZR	QFN-32	402/804	470/960	-	-	2.3/3.6	153.6	Single-Ended			
839-CC1050R	CC1050PW	TSSOP-24	300	1000	-	-	2.1/3.6	76.8	Single-Ended			
839-CC1070R	CC1070RSQ	QFN-20	402/804	470/940	-	-	2.3/3.6	153.6	Single-Ended			
839-CC1100	CC1100RTK	QFN-20	300/400/800	348/464/928	-	-	1.8/3.6	500	Differential			
595-CC110LRTKT	CC110LRTKT	VQFN-20	300/387/779	348/464/928	-	-	1.8/3.6	600	Differential			
595-CC1101RTK	CC1101RTK	QFN-20	300/387/779	348/464/928	-	-	1.8/3.6	500	Differential			
839-CC110F8RSP	CC110F8RSP	QFN-36	300/391/782	348/464/928	8	1	2/3.6	500	Differential			
839-CC110F16RSP	CC110F16RSP	QFN-36	300/391/782	348/464/928	16	2	2/3.6	500	Differential			
839-CC1110	CC110F32RSP	QFN-36	300/391/782	348/464/928	32	4	2/3.6	500	Differential			
595-CC1110F32RSPR	CC1110F32RSPR	QFN-36	300/391/782	348/464/928	32	4	2/3.6	500	Differential			
595-CC113LRTKT	CC113LRTKT	VQFN-20	300/387/779	348/464/928	-	-	1.8/3.6	600	Differential			
595-CC115LRTKT	CC115LRTKT	VQFN-20	300/387/779	348/464/928	-	-	1.8/3.6	600	Differential			
839-CC1150	CC1150RST	QFN-16	300/400/800	348/464/928	-	-	1.8/3.6	500	Differential			
839-CC1150T/R	CC1150RSTR	QFN-16	300	348	-	-	1.8/3.6	500	Differential			
595-CC1120RHMT	CC1120RHMT	QFN-32	820	960	-	-	2/3.6	0.195	Differential			
595-CC1190RGVT	CC1190RGVT	QFN-16	850	950	-	-	2.0/3.7	-	Single-Ended			

CHIPSETS

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Mode	Description	Price Each			
					1	25	100	250
2.5G Band Chipset								
595-TRF1115IRGPT	TRF1115IRGPT	QFN-20	FDD/HFDD, TDD	RF Down-Converter				
595-TRF1122IRMT	TRF1122IRMT	QFN-32	FDD/HFDD, TDD	RF Up-Converter				
595-TRF1123IRMT	TRF1123IRMT	QFN-32	FDD/HFDD, TDD	Power Amplifier Driver				
3.5G Band Chipset								
595-TRF1216IRGPT	TRF1216IRGPT	QFN-20	FDD/HFDD, TDD	RF Down-Converter				

CC110L RF BOOSTER PACK

MOUSER STOCK NO.	Texas Instruments Part No.	Frequency Max. (MHz)	Output Power (dBm)	Supply Voltage (V)	Operating Supply Voltage (V)	Operating Temperature Range (°C)	Price Each
595-430BOOST-CC110L	430BOOST-CC110L	300	10	-0.3 to 3.9	3.6	-40 to +85	

RF POWER DETECTORS

MOUSER STOCK NO.	Texas Instruments Part No.	Package	RF Freq. (MHz)	Channels	Dynamic Range (dB)	Supply Volt. (V)		Iq (Typ.) (mA)	Sensor Gain (mV/°C)	Single Supply	Output Current (mA)	Specific Temp. Range (°C)	Price Each			
						Min.	Max.						1	25	100	250
926-LMV225SD/NOBP	LMV225SD/NOBP	LLP-6	450-2000	1	30	2.7	5	4.8	1/1	-30 to 0	1	-40 to 85				
926-LMV225TL/NOBP	LMV225TL/NOBP	MicroSMD	450-2000	1	30	2.7	5	4.8	1/1	-30 to 0	1	-40 to 85				
926-LMV226TL/NOBP	LMV226TL/NOBP	MicroSMD	450-2000	1	30	2.7	5	4.9	1/1	-15 to 15	1	-40 to 85				
926-LMH2120UM/NOBP	LMH2120UM/NOBP	MicroSMD	50-6000	1	40	2.7	5	2.9	1/1	-35 to 5	0.5	-40 to 85				
926-LMH2110TM/NOBP	LMH2110TM/NOBP	MicroSMD	50-8000	1	45	2.7	5	4.8	1/1	-40 to 5	0.5	-40 to 85				

This product is RoHS compliant.

RFID DEVELOPMENT TOOLS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	VCC	Output Frequency Range (Min)(MHz)	Output Frequency Range (Max)(MHz)	Operating Temperature Range (°C)	Price Each			
							1	25	100	250
595-TRF3765IRHBT	TRF3765IRHBT	QFN-32	3.3	300	4800	-40 to 85				
Evaluation Module										
595-TRF3765EVM-F	TRF3765EVM-F	Evaluation Module for TRF3765, a Integer-N/Fractional-N PLL with Integrated VCO for Wideband Synthesis								

RFID DEVELOPMENT TOOLS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Description	Tool/Software Type	Typical Read Range (cm)	Frequency (MHz)	.dll or .h Files Included	Price Each			
							1	25	100	250
595-CC11XLEMK-433	CC11XLEMK-433	Value Line Evaluation Modules	Evaluation	-----	433	No				
595-DK-EM2-7960R	DK-EM2-7960R	Stellaris® RFID Wireless Kit	Evaluation	-----	13.56	No				
595-DK-EM2-2500S	DK-EM2-2500S	Stellaris® SimpliciTI™ Wireless Kit	Evaluation	-----	2400	No				
595-DK-EM2-2520Z	DK-EM2-2520Z	Stellaris® ZigBee Wireless Networking Kit	Evaluation	-----	2400	No				
595-RI-K3A-001A-00	RI-K3A-001A-00	Series 2000 LF Micro RFID Evaluation Kit	Starter Kit	15	134.2	No				
595-RI-RFM-003C-30	RI-RFM-003C-30	Series 2000 Mini RFM Evaluation Kit	Evaluation	-----	134.2	No				
595-TRF371109EVM	TRF371109EVM	TRF371109 Evaluation Module	Evaluation	-----	1700	No				
595-TRF372017EVM	TRF372017EVM	TRF372017 Evaluation Module	Evaluation	-----	4800	No				

IQ MODULATORS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	I/Q Input Common-Mode Voltage (Typ)(V)	Supply Voltage	Frequency		Noise Floor (Typ.)(dBm/Hz)	P1dB (Typ.)(dBm)	Price Each			
					Min.	Max.			1	25	100	250
595-TRF3705IRGET	TRF3705IRGET	VQFN-24	0.25	3.3	300MHz	4GHz	-160	9.1				
595-TRF371109IRGZT	TRF371109IRGZT	VQFN-48	1.5	5	300MHz	1700MHz	-	3				
595-TRF370417IRGET	TRF370417IRGET	VQFN-24	1.7	5	50MHz	6000MHz	-162	12				
595-TRF372017IRGZT	TRF372017IRGZT	PVQFN-48	1.7	5	300MHz	4800MHz	-163	12				
595-TRF370333IRGET	TRF370333IRGET	VQFN-24	3.3	5	350MHz	4000MHz	-163	9				

TRANSPONDERS

Encapsulated

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Standard	Frequency (MHz)	Transmission Principle	Programmed Read Only No. (Bits)	Programmable Memory (Bits)	Price Each			
								1	25	100	250
595-RF-HDT-DVBE-N2	RF-HDT-DVBE-N2	RFIDP	ISO 15693, ISO 18000-3	13.56	ASK, FSK	64	256				

Tag-it HF-I Standard Inlays

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Standard	Frequency (MHz)	Transmission Principle	Programmed Read Only No. (Bits)	Programmable Memory (Bits)	Price Each			
								1	25	100	250
595-RI-I03-114A-01	RI-I03-114A-01	RFIDN-1	ISO 15693, ISO 18000-3	13.56	ASK, FSK	64	256				
595-RI-I16-114A-01	RI-I16-114A-01	RFIDN-1	ISO 15693, ISO 18000-3	13.56	ASK, FSK	64	256				
595-RI-I02-114B-01	RI-I02-114B-01	RFIDN-1	ISO 15693, ISO 18000-3	13.56	ASK, FSK	64	256				

Tag-it HF-I Plus Inlays

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Standard	Frequency (MHz)	Transmission Principle	Programmed Read Only No. (Bits)	Programmable Memory (Bits)	Price Each			
								1	25	100	250
595-RI-I02-112A-03	RI-I02-112A-03	RFIDN-1	ISO 15693, ISO 18000-3	13.56	ASK, FSK	64	2048				
595-RI-I03-112A-03	RI-I03-112A-03	RFIDN-1	ISO 15693, ISO 18000-3	13.56	ASK, FSK	64	2048				
595-RI-I16-112A-03	RI-I16-112A-03	RFIDN-1	ISO 15693, ISO 18000-3	13.56	ASK, FSK	64	2048				
595-RI-I17-112A-03	RI-I17-112A-03	RFIDN-1	ISO 15693, ISO 18000-3	13.56	ASK, FSK	64	2048				

Tag-it HF-I Pro Inlays

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Standard	Frequency (MHz)	Transmission Principle	Programmed Read Only No. (Bits)	Programmable Memory (Bits)	Price Each			
								1	25	100	250
595-RI-I02-114A-S1	RI-I02-114A-S1	RFIDN-1	ISO 15693, ISO 18000-3	13.56	ASK, FSK	64	256				
595-RI-I16-114A-S1	RI-I16-114A-S1	RFIDN-1	ISO 15693, ISO 18000-3	13.56	ASK, FSK	64	256				
595-RI-I17-114A-S1	RI-I17-114A-S1	RFIDN-1	ISO 15693, ISO 18000-3	13.56	ASK, FSK	64	256				

READERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Sub Family	Standard	Frequency (MHz)	Output Power (mW)	Supply Voltage (Vdc)	Current Consumption (mA)	Package Size (mm)	Price Each			
										1	25	100	250
595-TRF7960RHBR	TRF7960RHBR	QFN-32	HF Readers	ISO 14443A, ISO 1444B, ISO 15693	13.56	100,200	2.7 to 5.5	10	5.15 x 5.15				
595-TRF7960RHBT	TRF7960RHBT	QFN-32	HF Readers	ISO 14443A, ISO 14443B, ISO 15693, ISO 18000-3	13.56	100, 200	2.7 to 5.5	10	5.15 x 5.15				
595-TRF7961RHBR	TRF7961RHBR	QFN-32	HF Readers	ISO 15693, ISO 18000-3	13.56	100, 200	2.7 to 5.5	10	5.15 x 5.15				
595-TRF7961RHBT	TRF7961RHBT	QFN-32	HF Readers	ISO 15693, ISO 18000-3	13.56	100, 200	2.7 to 5.5	10	5.15 x 5.15				
595-RI-R6C-001A-03	RI-R6C-001A-03	TSSOP-20	HF Readers	ISO 15693, ISO 18000-3, ISO 14443A	13.56	290	3.3 to 5.5	15	- - -				

LF TRANSPONDERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Protection Class	Frequency (kHz)	Transmission Principle	Programmed Read Only No. (Bits)	Programmable Memory (Bits)	Price Each			
								1	25	100	250
595-RI-TRP-R9QL-30	RI-TRP-R9QL-30	30mm Disk	IP67	134.2	FSK, HDX	64	80				
595-RI-TRP-RE2B-30	RI-TRP-RE2B-30	32mm Glass	Hermetically sealed	134.2	FSK, HDX	64	80				
595-RI-TRP-W4FF-30	RI-TRP-W4FF-30	Card	ISO 7810	134.2	FSK, HDX	64	80				

TEXAS INSTRUMENTS Wireless Modules



This product is RoHS compliant.

For a complete listing of Texas Instruments Low Power Wireless Development Tools visit mouser.com/ti

- Evaluate the SmartRF@04 products. Right out of the box, the user can do range testing (PER testing) and transfer data from one PC to another using the SmartRF@04DK. This enables the user to quickly find out how well the SmartRF@04 products fit the intended application. A number of demonstration applications serve to highlight the innovative features of the SmartRF@04 ICs.
- Perform RF measurements. Using SmartRF@ Studio, the user can configure the radio ICs with parameters that suit the intended application and easily measure sensitivity, output power and other RF parameters.

The CC2591 RF Front End includes PA, LNA, switches, balun, RF matching network and inductor, and will increase output power and improve receiver sensitivity on a 2.4GHz low-power RF solution. The CC2520 is an IEEE 802.15.4 compliant RF transceiver.



MOUSER STOCK NO.	Texas Instruments Part No.	Product Group	Price Each
595-1101CC1190EMK915	CC1101CC1190EMK915	315, 433, 868 and 915MHz	
595-CC1101DK433	CC1101DK433	SUB 1-GHz	
595-CC1101DK868-915	CC1101DK868-915	SUB 1-GHz	
595-CC1101EMK433	CC1101EMK433	SUB 1-GHz	
595-CC1101EMK868-915	CC1101EMK868-915	SUB 1-GHz	
595-CC2510EMK	CC2510EMK	2.4GHz, SIMPLICITI	
595-CC2511EMK	CC2511EMK	2.4GHz, SIMPLICITI	
839-1150EM-433	CC1150EMK-433	SUB 1-GHz	
839-1150EM-868	CC1150EMK-868	SUB 1-GHz	
839-2500/50DK	CC2500-CC2550DK	2.4GHz	
839-2500EMK	CC2500EMK	2.4GHz	

- Evaluate the CC1110Fx and CC1111Fx. Right out of the box, the user can do range testing (PER testing) between two development boards with or without using a PC. This enables the user to quickly find out how well the CC1110Fx fits the intended application. A number of demonstration applications serve to highlight the innovative features of the SmartRF@04 ICs.
- Perform RF measurements. Using SmartRF@ Studio, the user can configure the radio ICs with parameters that suit the intended application and easily measure sensitivity, output power and other RF parameters.

MOUSER STOCK NO.	Texas Instruments Part No.	Product Group	Price Each
595-CC1110-CC1111DK	CC1110-CC1111DK	SUB 1-GHz	

- Evaluate the SmartRF@04 products. Right out of the box, the user can do range testing (PER testing) and transfer data from one PC to another using the SmartRF@04DK. This enables the user to quickly find out how well the SmartRF@04 products fit the intended application. A number of demonstration applications serve to highlight the innovative features of the SmartRF@04 ICs.
- Perform RF measurements. Using SmartRF@ Studio, the user can configure the radio ICs with parameters that suit the intended application and easily measure sensitivity, output power and other RF parameters.

MOUSER STOCK NO.	Texas Instruments Part No.	Product Group	Price Each
595-CC1110EMK433	CC1110EMK433	SUB 1-GHz	
595-CC1110EMK868-915	CC1110EMK868-915	SUB 1-GHz	

The CC1120 and CC1121 Evaluation Module Kit can be used in conjunction with the CC1120 Development Kit to evaluate the operation of the Performance Line RF-IC at these particular frequency bands. The CC1120DK is required for operation and needs to be ordered separately.



MOUSER STOCK NO.	Texas Instruments Part No.	Product Group	Price Each
595-CC1120EMK868-915	CC1120EMK-868-915	868-915MHz	
595-CC1120EMK-955	CC1120EMK-955	955MHz	
595-CC1121EMK868-915	CC1121EMK-868-915	868-915MHz	

The CC2530ZNP Mini Development Kit is designed for engineers who want to get familiar with the ZigBee Network Processor concept without having to port a lot of software to get up and running. The ZigBee Network Processor allows adding ZigBee interface to any application using a simple serial interface. The development kit comes with three target boards which allow users to set up a small ZigBee network. Two boards can be mobile using two AAA batteries provided in the kit sensor boards include accelerometer, temperature sensor, and light sensor that can be used in conjunction with led lights and push buttons to develop simple demo applications.

MOUSER STOCK NO.	Texas Instruments Part No.	Product Group	Price Each
595-CC2530ZDKZNPMINI	CC2530ZDK-ZNP-MINI	2.4GHz, ZIGBEE-Software	

MOUSER STOCK NO.	Texas Instruments Part No.	Product Group	Price Each
595-CC2520-CC2591EMK	CC2520-CC2591EMK	2.4GHz, ZIGBEE-Software	

SimpleLink™ CC3000 Wi-Fi is a self-contained wireless solution that simplifies the process of implementing Internet connectivity. SimpleLink Wi-Fi minimizes host microcontroller (MCU) software requirements making it the ideal solution for embedded applications using any low-cost/low-power MCU. The SimpleLink CC3000 Wi-Fi solution is provided as a module to reduce development time, lower manufacturing costs, save board space, ease certification, and minimize RF expertise required. Additionally, it is provided as a complete platform solution including software drivers, sample applications, API guide, user documentation and a world-class support community.



MOUSER STOCK NO.	Texas Instruments Part No.	Product Group	Price Each
595-CC3000TIWISLEM	CC3000TIWISLEM	WiFi/802.11	

The eZ430-RF2500 is a complete wireless development tool for the MSP430 and CC2500 that includes all the hardware and software required to develop an entire wireless project with the MSP430 in a convenient USB stick. The tool includes a USB-powered emulator to program and debug your application in-system and two 2.4-GHz wireless target boards featuring the highly integrated MSP430F2274 ultra-low-power MCU.

MOUSER STOCK NO.	Texas Instruments Part No.	Product Group	Price Each
595-EZ430-RF2500	EZ430-RF2500	2.4GHz	

The eZ430-RF2500-SEH is a complete Solar Energy Harvesting development kit to help create a perpetually powered wireless sensor network based on the ultra-low-power MSP430 microcontroller. The Solar Energy Harvester module includes a high-efficiency solar (2.25x2.25") panel optimized for operating indoors under low-intensity fluorescent lights, which provides enough power to run a wireless sensor application with no additional batteries. Inputs are also available for external energy harvesters such as thermal, piezoelectric, or another solar panel.

MOUSER STOCK NO.	Texas Instruments Part No.	Product Group	Price Each
595-EZ430-RF2500-SEH	EZ430-RF2500-SEH	2.4GHz	

The eZ430-RF2500T is an additional wireless target board for the eZ430-RF2500 wireless development tool. The eZ430-RF2500T uses the MSP430F2274 which combines 16-MIPS performance with a 200-kbps 10-bit ADC and 20p-amps and is paired with the CC2500 2.4GHz multi-channel RF transceiver designed for low-power wireless applications.

MOUSER STOCK NO.	Texas Instruments Part No.	Product Group	Price Each
595-EZ430-RF2500T	EZ430-RF2500T	2.4GHz	

CC85XXDK will let the user fully evaluate PurePath Wireless technology and the CC8520 for wireless audio applications. Audio interfaces available with the kit include S/PDIF optical + coax input/output, line input/output, headphone output and microphone input. A TLV320AIC3101 audio codec is mounted on the PurePath Wireless Audio Evaluation Board, which also has connectors compatible with other TI Codecs. CC85XXDK works with PurePath Wireless Configurator PC tool which helps designers configure and test PurePath Wireless Audio devices.



MOUSER STOCK NO.	Texas Instruments Part No.	Product Group	Price Each
595-CC85XXDK	CC85XXDK	PurePath	
595-CC85XXDK-HEADSET	CC85XXDK-HEADSET	PurePath	

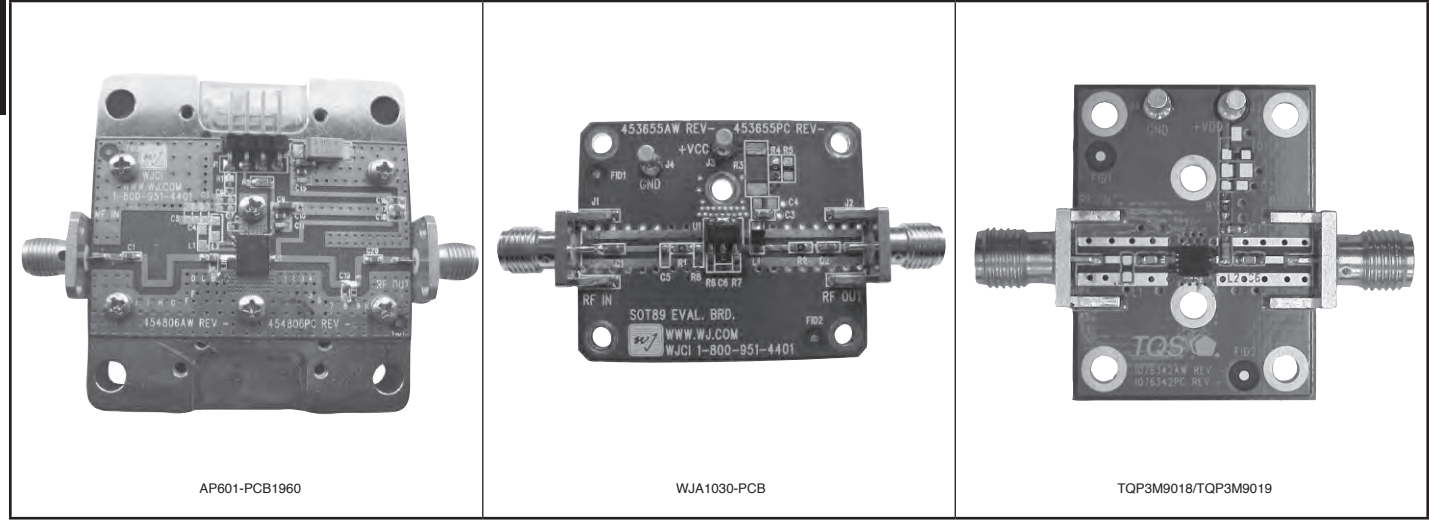
TRIQUINT SEMICONDUCTOR Evaluation Boards

 This product is RoHS compliant.

WJ Communications, Inc. is a leading provider of (RF) solutions serving multiple markets targeting wireless communications, RF identification (RFID), broadband cable, defense, and homeland security. WJ addresses the RF challenges in these multiple markets with its highly reliable amplifiers, mixers, RF integrated circuits (RFICs), RFID reader modules, chipsets, and multi-chip (MCM) modules.

Wireless Solutions

TriQuint Semiconductor



AP601-PCB1960

WJA1030-PCB

TQP3M9018/TQP3M9019

PRODUCT NEW

MOUSER STOCK NO.	TriQuint Part No.	Description	Price Per Board	MOUSER STOCK NO.	TriQuint Part No.	Description	Price Per Board
772-AG102-PCB	AG102-PCB	AG102 800-2600MHz Eval Brd		772-TQP7M9101-PCB900	TQP7M9101-PCB900	TQP7M9101 869-960MHz Eval Brd	
772-AG203-63PCB	AG203-63PCB	AG203-63 700-2400MHz Eval Brd		772-TQP7M9102-PCB2140	TQP7M9102-PCB2140	TQP7M9102 2.11-2.17GHz Eval Brd	
772-AG302-63PCB	AG302-63PCB	AG302-63 700-2400MHz Eval Brd		772-TQP7M9102-PCB900	TQP7M9102-PCB900	TQP7M9102 869-960MHz Eval Brd	
772-AG302-86PCB	AG302-86PCB	AG302-86 700-2400MHz Eval Brd		772-TQP8M9013-PCB900	TQP8M9013-PCB900	TQP8M9013 850-900MHz Eval Brd	
772-AG303-63PCB	AG303-63PCB	AG303-63 700-2400MHz Eval Brd		772-TQP8M9013-PCB2140	TQP8M9013-PCB2140	TQP8M9013 3.11-2.17GHz Eval Brd	
772-AG303-86PCB	AG303-86PCB	AG303-86 700-2400MHz Eval Brd		772-TQP3M9008-PCB-RF	TQP3M9008-PCB-RF	TQP3M9008 0.5-4GHz Eval Brd	
772-AG403-89PCB	AG403-89PCB	AG403-89 700-2400MHz Eval Brd		772-TQP3M9008-PCB-IF	TQP3M9008-PCB-IF	TQP3M9008 0.05-0.5GHz Eval Brd	
772-AG602-89PCB	AG602-89PCB	AG602-89 700-2400MHz Eval Brd		772-TQP3M9009-PCB-RF	TQP3M9009-PCB-RF	TQP3M9009 0.5-4GHz Eval Brd	
772-AG604-86PCB	AG604-86PCB	AG604-86 700-2400MHz Eval Brd		772-TQP3M9009-PCB-IF	TQP3M9009-PCB-IF	TQP3M9009 0.05-0.5GHz Eval Brd	
772-AG604-89PCB	AG604-89PCB	AG604-89 700-2400MHz Eval Brd		772-TQP3M9018-PCB-RF	TQP3M9018-PCB-RF	TQP3M9018 .05-4GHz Eval Brd	
772-AH101-PCB	AH101-PCB	AH101 50-1500MHz Eval Brd		772-TQP3M9019-PCB-RF	TQP3M9019-PCB-RF	TQP3M9019 .05-4GHz Eval Brd	
772-AH102A-PCB2000	AH102A-PCB2000	AH102A 1700-2200MHz Eval Brd		772-TQP4M9072-PCB-IF	TQP4M9072-PCB-IF	TQP4M9072 40-500MHz Eval Brd	
772-AH102A-PCB900	AH102A-PCB900	AH102A 900MHz Eval Brd		772-TQP4M9072-PCB-RF	TQP4M9072-PCB-RF	TQP4M9072 .7-3.5GHz Eval Brd	
772-AH103A-PCB1900	AH103A-PCB1900	AH103A 1900MHz Eval Brd		772-TQP4M9071-PCB-IF	TQP4M9071-PCB-IF	TQP4M9071 40MHz to 500MHz Eval Brd	
772-AH103A-PCB2140	AH103A-PCB2140	AH103A 2140MHz Eval Brd		772-TQP4M9071-PCB-RF	TQP4M9071-PCB-RF	TQP4M9071 .7GHz to 3.5GHz Eval Brd	
772-AH103A-PCB900	AH103A-PCB900	AH103A 900MHz Eval Brd		772-AH3WB-PCB	AH3WB-PCB	AH3 50-870MHz Eval Brd	
772-AH114-89PCB1900	AH114-89PCB1900	AH114 1900MHz Eval Brd		772-AH314-PCB	AH314-PCB	AH314 2.4-2.7GHz Eval Brd	
772-AH114-89PCB2140	AH114-89PCB2140	AH114 2140MHz Eval Brd		772-AH315-PCB	AH315-PCB	AH315 3.3-3.7GHz Eval Brd	
772-AH114-89PCB900	AH114-89PCB900	AH114 900MHz Eval Brd		772-AP561-PCB2500	AP561-PCB2500	AP561 2.4-2.7GHz Eval Brd	
772-AH118-89PCB2140	AH118-89PCB2140	AH118 2140MHz Eval Brd		772-EC1078B-PCB	EC1078B-PCB	EC1078B 700-2400MHz Eval Brd	
772-AH118-89PCB900	AH118-89PCB900	AH118 900MHz Eval Brd		772-ECG001B-PCB	ECG001B-PCB	ECG001B 700-2400MHz Eval Brd	
772-AH202-PCB1900	AH202-PCB1900	AH202 1900 MHz Eval Brd		772-ECG001F-PCB	ECG001F-PCB	ECG001F 700-2400MHz Eval Brd	
772-AH202-PCB2140	AH202-PCB2140	AH202 2140 MHz Eval Brd		772-ECG003B-PCB	ECG003B-PCB	ECG003B 700-2400MHz Eval Brd	
772-AH202-PCB900	AH202-PCB900	AH202 900 MHz Eval Brd		772-ECG004B-PCB	ECG004B-PCB	ECG004B 700-2400MHz Eval Brd	
772-AH212-S8PCB1960	AH212-S8PCB1960	AH212-S8 1960MHz Eval Brd		772-ECG005B-PCB	ECG005B-PCB	ECG005B 700-2400MHz Eval Brd	
772-AH212-S8PCB2140	AH212-S8PCB2140	AH212-S8 2140MHz Eval Brd		772-ECG006C-PCB	ECG006C-PCB	ECG006C 700-2400MHz Eval Brd	
772-AH215-S8PCB1960	AH215-S8PCB1960	AH215 1960MHz Eval Brd		772-ECG006F-PCB	ECG006F-PCB	ECG006F 700-2400MHz Eval Brd	
772-AH215-S8PCB2140	AH215-S8PCB2140	AH215 2140MHz Eval Brd		772-ECG008B-PCB	ECG008B-PCB	ECG008B 700-2400MHz Eval Brd	
772-AH215-S8PCB900	AH215-S8PCB900	AH215 900MHz Eval Brd		772-ECG055B-PCB	ECG055B-PCB	ECG055B 700-2400MHz Eval Brd	
772-AH22S-PCB	AH22S-PCB	AH22S CATV Push-Pull Eval Brd		772-FP1189-PCB1900S	FP1189-PCB1900S	FP1189 1900MHz Eval Brd	
772-AH2-PCB	AH2-PCB	AH2 50-860MHz CATV Eval Brd		772-FP1189-PCB2140S	FP1189-PCB2140S	FP1189 2140MHz Eval Brd	
772-AH312-S8PCB1960	AH312-S8PCB1960	AH312 1960MHz Eval Brd		772-FP1189-PCB900S	FP1189-PCB900S	FP1189 900MHz Eval Brd	
772-AH312-S8PCB2140	AH312-S8PCB2140	AH312 2140MHz Eval Brd		772-FP2189-PCB1900S	FP2189-PCB1900S	FP2189 1900MHz Eval Brd	
772-AH312-S8PCB900	AH312-S8PCB900	AH312 900MHz Eval Brd		772-FP2189-PCB2140S	FP2189-PCB2140S	FP2189 2140MHz Eval Brd	
772-AH31-PCB170	AH31-PCB170	AH31 155-185MHz Eval Brd		772-FP2189-PCB900S	FP2189-PCB900S	FP2189 900MHz Eval Brd	
772-AH31-PCB240	AH31-PCB240	AH31 220-260MHz Eval Brd		772-FP31QF-PCB1900	FP31QF-PCB1900	FP31QF 1900MHz Eval Brd	
772-AH31-PCB500	AH31-PCB500	AH31 450-550MHz Eval Brd		772-FP31QF-PCB2140	FP31QF-PCB2140	FP31QF 2140MHz Eval Brd	
772-AH31-PCB75	AH31-PCB75	AH31 65-85MHz Eval Brd		772-FP31QF-PCB900	FP31QF-PCB900	FP31QF 900MHz Eval Brd	
772-ML483-PCB	ML483-PCB	ML483 .7GHz to 1GHz Eval Bd		WJA1010-PCB	WJA1010-PCB	WJA1010 50-2300MHz Eval Brd	
772-TQM8M9074-EVAL	TQM8M9074-Eval	TQM8M9074 2140MHz Eval Brd		WJA1015-PCB	WJA1015-PCB	WJA1015 50-2300MHz Eval Brd	
772-TQP3M9006EV	TQP3M9006-PCB	TQP3M9006 0.5-4GHz Eval Brd		WJA1030-PCB	WJA1030-PCB	WJA1030 50-4000MHz Eval Brd	
772-TQP3M9007-PCB	TQP3M9007-PCB	TQP3M9007 0.5-4GHz Eval Brd		WJA1500-PCB	WJA1500-PCB	WJA1500 50-1000MHz Eval Brd	
772-TQP3M9028-PCB-RF	TQP3M9028-PCB-RF	TQP3M9028 0.5-4GHz Eval Brd		WJA1505-PCB	WJA1505-PCB	WJA1505 50-1000MHz Eval Brd	
772-TQP7M9101-PCB2140	TQP7M9101-PCB2140	TQP7M9101 2.11-2.17GHz Eval Brd		WJA1510-PCB	WJA1510-PCB	WJA1510 50-1000MHz Eval Brd	
772-TQP7M9105-PCB900	TQP7M9105-PCB900	TQP7M9105 920-960MHz Eval Brd		WJA1515-PCB	WJA1515-PCB	WJA1515 50-1000MHz Eval Brd	
772-TQP7M9106-PCB900	TQP7M9106-PCB900	TQP7M9106 920-960MHz Eval Brd					

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This product is RoHS compliant.



WIRELESS PRODUCTS

W2SW0001 802.11 Module

The W2SW0001 System-in-Package (SiP) is a complete IEEE 802.11b/g radio solution. Unlike a typical module, the W2SW0001 includes all radio components, clocking and regulation for a complete WLAN radio subsystem. Integration of the W2SW0001 is a simple process of connecting our SiP to your product's interfaces, antenna port and single 3.3vdc power supply. Wi2Wi has developed SW drivers available for several processors and operating systems and other custom drivers can also be developed under a services agreement. Please check with Wi2Wi, Inc. Sales Representatives regarding pricing for SW Drivers.

Features:

- Small form factor SiP solution, 9.5mm x 9.5mm x 1.4mm, 81 Pin LGA, .75mm pitch
- Low power consumption and power save mode
- Full support for 802.11 e(QoS) and 802.11i (Security)
- Integrated RF-friendly LDO for single rail operation
- Integrated PA, EEPROM, Balun, and clocking
- Optimized front-end design for receive sensitivity
- Full driver support for popular OSs for processor family, Linux/WinCE support for many other ARM-9 based processors. Please check with Wi2Wi, Inc. Sales Representatives for pricing on SW Drivers
- Includes both an SDIO and GSPi interface



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wi2Wi, Inc. Part No.	Fig.	Description	Price Each		
				1	10	100
648-W2SW0001C	W2SW0001C	A	802.11b/g, SiP, LGA			

WiFi and Bluetooth Modules

The W2CBW00x Series System-in-Package (SiP) is a complete IEEE 802.11b/g +Bluetooth™ radio solution. The W2CBW00x series includes all radio components, clocking and regulation for a complete WLAN radio subsystem. Also included in our solution is Wi2Wi's coexistence solution for simultaneous operation of Wi-Fi™ and Bluetooth™ Radios. By selecting the W2CBW00x series, a developer can significantly reduce their development costs and the technical risks associated with coexistence.

Features:

- Small form factor SiP solution
- Low power consumption and power save mode
- Full support for 802.11 e(QoS) and 802.11i (Security)
- Integrated RF-friendly LDO for single rail operation
- Integrated PA, EEPROM, Balun, and clocking
- Optimized front-end design for receive sensitivity, plus full coexistence support
- Full driver support for popular OSs for the Marvell PXA processor family, Linux support for many other ARM-9 based processors. Please check with Wi2Wi, Inc. Sales Representatives for pricing on SW Drivers.
- Includes both an SDIO and a GSPi interface for Wi-Fi, and a USB and UART interface for BT



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wi2Wi, Inc. Part No.	Fig.	Description	Price Each		
				1	10	100
648-W2CBW0015-T	W2CBW0015-T	A	802.11b/gn, Bluetooth 3.0 SiP Module, SDIO Interface			
648-W2CBW0015W-T	W2CBW0015W-T	A	802.11b/gn, Bluetooth 3.0 SiP Module, SDIO Interface			
648-W2CBW0015DEV-1	W2CBW0015DEV-1	-	Dev Kit without Host	-	-	-
648-W2CBW0015DEV-2	W2CBW0015DEV-2	-	Dev Kit with Host	-	-	-
648-W2CBW003-DEV	W2CBW003-DEV	-	Development Kit for W2CBW003	-	-	-

NAVIGATION PRODUCTS

W2SG0084 GPS Module

This specification provides a general guideline on the performance and the integration of the Wi2Wi Inc. 48 Channel GPS Receiver Module Solution. The new solder-down module, based on SiRF Star IV Chipset is a drop in replacement for the W2SG0004, is targeted to assist companies to easily integrate GPS functionally into their products. This is accomplished by reducing their development times and cost by using a complete, small form factor, low power, ready to integrate GPS Receiver System Solution.

Features:

- Pin Compatible Replacement for W2SG0004
- GPS technology based upon by the CSR/SiRF™ SiRFStar IV™
- Compact design for easy integration: 11.2mm x 12mm x 2.5mm
- Ultra-low power consumption
- High sensitivity navigation engine (PVT) tracks as low as -163dBm
- 50Ω Antenna Launch
- 48 verification channel GPS receiver
- SBAS (WAAS or ENGOS) support



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wi2Wi, Inc. Part No.	Fig.	Description	Price Each		
				1	10	100
648-W2SG0084I	W2SG0084i	B	GPS Receiver Module for SiRF Star IV			
648-W2SG0084I-DEV	W2SG0084I-DEV	B	GPS SiRF Star IV Development Kit			

MULTI-RADIO

The W2CBWG01 is a fully integrated 802.11b/g WLAN, Bluetooth™ and GPS solutions designed specifically for ultra-mobile portable electronics. It has been integrated with Intel's Atom processor based Menlow platform for UMPC/MID market.

Features:

- Uses half height Mini-Card form factor
- Certified Bluetooth™ and Wi-Fi™ radio solution with coexistence
- Integrated ultra low power consumption GPS
- INTEL McCaslin platform I/O Pin Definition
- Interfaces:
 - SDIO 1.1 interface for 802.11 Wi-Fi™
 - USB 2.0 Interface for Bluetooth™
 - UART NMEA for GPS
 - 50Ω Antenna Launch for each Radio
 - Please check with Wi2Wi, Inc. Sales Representatives for pricing on SW Drivers.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wi2Wi, Inc. Part No.	Fig.	Description	Price Each		
				1	10	100
648-W2CBWG03	W2CBWG03	C	SDIO 802.11b/g USB Bluetooth™ v2.0+EDR			

INTERNET MCUS

Features:

- 10BaseT/100BaseTX Ethernet PHY embedded
- Power down mode supported for saving power consumption
- Hardwired TCP/IP Protocols: TCP, UDP, ICMP, IPv4 ARP, IGMP, PPPoE, Ethernet
- Auto Negotiation (Full-duplex and half duplex), Auto MDI/MDIX
- ADSL connection with PPPoE Protocol with PAP/CHAP Authentication mode support
- 8 independent sockets which are running simultaneously
- Full-duplex UART
- Programmable Watchdog Timer



MOUSER STOCK NO.	WIZnet Part No.	MCU Architecture	Package	SRAM (KB)	Code Memory (KB)	Timers/Counters	Clock Frequency Max. (MHz)	Operating Supply Voltage (V)	Price Each
950-W7100A	W7100A	8051	LQTP-100	64	255	3	25	3 to 3.6	
950-W7200	W7200	ARM Cortex M3	LGA-60	20	128	7	72	2.97 to 3.6	

INTERNET MCUS EVALUATION BOARDS AND DEBUGGERS



MOUSER STOCK NO.	WIZnet Part No.	Description	Price Each
950-IMCU7100EVB	IMCU7100EVB	Evaluation Board for testing W7100A - Includes Character LCD, RS232 Port (D9), Ethernet Port, and DTAG Header	
950-IMCU7200EVB	IMCU7200EVB	Evaluation Board for W7200 (Cortex-M3 + W5200 core)	
950-IMCU7100DEBUGGER	IMCU7100Debugger	Debugger for W7100A - Includes USB Port, and DTAG Header	

TCP/IP CONTROLLERS

Features:

- Supports hardwired TCP/IP protocols: TCP, UDP, ICMP, IPv4, ARP, IGMPv2, PPPoE, Ethernet
- Supports 8 independent SOCKETS simultaneously
- Supports PPPoE connection (with PAP/CHAP Authentication mode)
- Embedded 10BaseT/100BaseTX Ethernet PHY
- Supports auto negotiation (Full-duplex and half duplex)

MOUSER STOCK NO.	WIZnet Part No.	TCP/IP Stack	ADSL	Speed (Mbps)	Internal Memory (KB)	Input Voltage Max (V)	Output Voltage Max (V)	Input Current Max. (mA)	Output Current (mA)	Price Each
950-W5300	W5300	Hybrid	No	50	128	5.5	3.6	5	2-8	
950-W5200	W5200	Hardware	Yes	-	32	5.5	-	5	-	
950-W5100	W5100	Hardware	Yes	-	16	5.5	-	5	-	
950-W3150A+	W3150A+	Hardware	Yes	-	16	5.5	-	5	-	

TCP/IP CONTROLLER EVALUATION BOARDS

MOUSER STOCK NO.	WIZnet Part No.	Description	Price Each
950-W5300E01-ARM	W5300E01-ARM	Evaluation Board for W5300 TCP/IP Controller with ARM920T Processor- Includes Character LCD, USB, RS232 Port (D9), and Ethernet Port	
950-W5200E01-M3	W5200E01-M3	Evaluation Board for W5300 TCP/IP Controller with ARM-Cortex M3 Processor- Includes Character LCD, USB, RS232 Port (D9), and Ethernet Port	
950-W5100E01-AVR	W5100E01-AVR	Evaluation Board for W5100 TCP/IP Controller with AVR Processor - Includes Character LCD, Ethernet, RS-232 Port, and Expanded Board Interface	
950-EVB-B1+	EVB-B1+	Evaluation Board for W3150A with ATmega128 - Includes Character LCD, RS232 Port (D9), Ethernet Port, and Expanded Board Interface	

IOMODULE - EMBEDDED NETWORK MODULE

MOUSER STOCK NO.	WIZnet Part No.	Description	Price Each
950-WIZ830MJ	WIZ830MJ	W5300 Embedded Network Module, (2) 2.54mm pitch 2x14 header, 16/8 bit BUS I/F	
950-WIZ810MJ	WIZ810MJ	W5100 Embedded Network Module, 2mm pitch 14x2 header, SPI & BUS I/F	
950-WIZ811MJ	WIZ811MJ	W5100 Embedded Network Module, 1.25mm pitch 10x2 header, SPI I/F, 2 PCB Thruhole	
950-WIZ812MJ	WIZ812MJ	W5100 Embedded Network Module, 2.54mm pitch 10x2 header, SPI I/F, 4 PCB Thruhole	

SERIAL TO ETHERNET MODULES

MOUSER STOCK NO.	WIZnet Part No.	Description	Price Each
950-WIZ100SR	WIZ100SR	Serial to Ethernet Gateway Module using W5100 TCP/IP Controller, 2x12 2mm Pin header array	
950-WIZ107SR	WIZ107SR	Serial to Ethernet Gateway Module using W1700 TCP/IP Controller, 2.54mm pitch 12 pin interface, Ethernet connector	
950-WIZ108SR	WIZ108SR	RS422/RS485 to Ethernet Module using W1700 TCP/IP Controller, 2.54mm Pitch 12 pin interface, Ethernet connector	
950-WIZ110SR	WIZ110SR	Serial to Ethernet Module using W5100 TCP/IP Controller, DB9 Connector, Ethernet Connector	
950-WIZ140SR	WIZ140SR	Serial to Ethernet Module using W5300 TCP/IP Controller, 2.54mm pitch header (1) 14 pin header and (1) 28 pin header	
950-WIZ145SR	WIZ145SR	Serial to Ethernet Module using W5300 TCP/IP Controller, 2.54mm pitch header (1) 14 pin header and (1) 28 pin header, Ethernet Connector	

Evaluation Boards

MOUSER STOCK NO.	WIZnet Part No.	Description	Price Each
950-WIZ100SR-EVB	WIZ100SR-EVB	Evaluation Board for WIZ100SR, Includes RS232 Port (D9), and Ethernet Port	
950-WIZ107SR-EVB	WIZ107SR-EVB	RS232 interface (D9) Evaluation Board for WIZ107SR	
950-WIZ108SR-EVB	WIZ108SR-EVB	RS232/RS485 Interface (Terminal Block) Evaluation Board for WIZ108SR	
950-WIZ2820IO	WIZ2820io	Plug-in Network Module with W5200 and Ethernet Connector, (2) 2.54mm pitch 1x6 header pins	

WIRELESS MODULES

Bring WiFi Connectivity via Serial Host



MOUSER STOCK NO.	WIZnet Part No.	Radio Protocol	Modulation	RF Operating Freq. (GHz)	Antenna	Power Consumption Ave. (mA)	I/O Interface	Input Voltage (V)	Price Each
950-WIZF1630	WIZF1630	802.11 b/g/n	OFDM, DSSS	2.4-2.483	U.FL conn	600	UART	3.3	
950-WIZF210	WizF210	802.11b/g/n	DSSS, CCK	2.4-2.497	Chip, U.FL conn	125	UART, SPI, I2C, GPIO	3.3	
950-WIZ610WI	WIZ610wi	802.11b/g	OFDM, DSSS	2.412-2.484	U.FL conn	470	UART, CMOS	3.3	

WIRELESS MODULE EVALUATION BOARDS



MOUSER STOCK NO.	WIZnet Part No.	Description	Price Each
950-WIZF210-EVB	WizF210-EVB	Evaluation Board for WizF210 Module - Serial Interface via D9 connector	
950-WIZF220-EVB	WizF220-EVB	Evaluation Board for WizF220-EVB Module - Serial Interface via D9 connector	
950-WIZF1630-EVB	WIZF1630-EVB	Evaluation board for WizF1630	
950-WIZ610WI-EVB	WIZ610wi-EVB	Evaluation Board for WIZ610wi Module - Serial Interface (D9), and Ethernet Connector	

Antennas

MOUSER STOCK NO.	WIZnet Part No.	Description	Price Each
950-W5I-BO-07	W5I-BO-07	WIZ610wi internal antenna	
950-W5E-WO-03L	W5E-WO-03L	External Antenna for WIZ610wi, WizF210, and WizF220 - Left Hand SMA Male Connector, 2.5dBi Gain	

APPLICATION MODULES

MOUSER STOCK NO.	WIZnet Part No.	Description	Price Each
950-WIZ220IO	WIZ220IO	Embedded Webserver Module - Includes Ethernet Connector, 8 Digital I/O, 2 Analog (12-bit) I/O	
950-WIZ-SM10	WIZ-SM10	Smart Meter - 2 Ports Serial to Ethernet, UART and SPI Interface	
950-WIZ200WEB-EVB	WIZ200Web-EVB	WIZ200WEB Evaluation Board with Atmega128 & W5300 IC - Includes Char LCD, operates as an HTTP server	
950-WIZ220IO-EVB	WIZ220IO-EVB	Webserver based IO control module - 8 digital I/O, 2 Analog (12-bit) I/O, supports WebServer	
950-WIZ-SM10-EVB	WIZ-SM10-EVB	Evaluation Board for WIZ-SM10 - 2 Ports Serial to Ethernet, Includes W5100 IC	

EXTERNAL DEVICES

WIZnet finished product with EC, FCC, and KCC certifications. Includes case with mounting tabs and activity/indication LEDs.

MOUSER STOCK NO.	WIZnet Part No.	Description	Price Each
950-WIZ1000	WIZ1000	Serial to Ethernet Gateway - RS232 to Ethernet	

B&B ELECTRONICS Interface and Ethernet Modules



This page of product is RoHS compliant.

B&B Electronics Ethernet Data Communication Solutions offer a huge selection of rugged and reliable ethernet devices designed with your demanding applications and environments in mind. These solutions include ethernet switches, media converters, extenders and accessories. Typical applications include industrial automation, transportation, building automation, medical, health care and security.



Embedded Modules

B&B Electronics

NEW AT MOUSER

NEW AT MOUSER

NEW AT MOUSER

INTERFACE MODULES

Converters

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each	
			1	10
600-422PP9TB	422PP9TB	9 Pin 232/422 CN W/TB 2 Ch, Port Power Converter		
600-4WSD90TB	4WSD90TB	9 Pin ISO CON W/TB & LED Isolated RS-485 Converter		
600-485USBTB-2W-LS	485USBTB-2W-LS	USB To Serial 1 Port RS-485 2 Wire Mini Converter		
600-USO9ML2	USO9ML2	USB To ISO RS-232 Converter w/DB9 M		
600-USOPTL4-LS	USOPTL4-LS	USB To ISO 422/485 w/Plug Term Block Converter		



USOPTL4-LS Shown

Isolators/Repeaters

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each	
			1	10
600-485OP	485OP	RS-422/485 to RS-485 Optical Isolated/Repeater		
600-485OPDR	485OPDR	RS-485/422 Isolated/Repeater, DIN Mount		



485OP Shown

Modem Data Splitter

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each	
			1	10
600-9PMDS	9PMDS	9 Pin Modem RS-232 Data Splitter		



9PMDS Shown

ETHERNET MODULES

USB Server

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each	
			1	10
600-UE204	UE204	USB 2.0 Over Ethernet Server, 4 Port 10/100/1000		



UE204 Shown

Serial Servers

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each	
			1	10
600-VESP211	VESP211	1 Port Mini Ethernet to Serial Server RS232/422/485 US		
600-VESP211-232	VESP211-232	1 Port Mini Ethernet to Serial Server RS-232 US		
600-VESP211-485	VESP211-485	1 Port Mini Ethernet to Serial Server, RS-422/485 US		
600-VESR901	VESR901	1 Port, DB9, DIN, CU ET Ethernet to Serial Server		
600-MESR901	MESR901	1 Port, DIN ESS, CU Industrial MODBUS Ethernet to Serial Server		



EIS-M-ST Shown

Media Converters

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each	
			1	10
600-EIR-M-ST	EIR-M-ST	Media Converter 10/100 DIN Mount Multi Mode Standard		
600-EIS-M-ST	EIS-M-ST	Media Converter 10/100 100FX Multi-Mode Standard		

Extenders

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each	
			1	10
600-EIR-EXTEND	EIR-EXTEND	10/100 DIN Rail Ethernet Copper Extender		
600-EIS-EXTEND	EIS-EXTEND	10/100 Ethernet Copper Extender		

Wireless Ethernet Bridge

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each	
			1	10
600-GHOSTBRIDGE5	GHOSTBRIDGE5	Wireless Ethernet Bridge PR, 5 GHz Indoor/Outdoor		



GHOSTBRIDGE5 Shown

Surge Suppressor

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each	
			1	10
600-EIRSP1	EIRSP1	1 Port, Elinx™ Industrial Ethernet Surge Protector Single Stage		

Switches

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each	
			1	10
600-ESW105	ESW105	Ultra Compact Industrial Ethernet Switches, Unmanaged, 10/100 5 Port		
600-ESW108	ESW108	Ultra Compact Industrial Ethernet Switches, Unmanaged, 10/100 8 Port		
600-ESW205	ESW205	Compact Industrial Ethernet Switch, Unmanaged, 5 Port 10/100		
600-EIR408-T	EIR408-T	Industrial Ethernet Switch, Unmanaged, 8 Port 10/100/1000		
600-EIRP305-T	EIRP305-T	Industrial Ethernet Switch, Unmanaged, 5 Port 10/100, w/4 PoE Injector Ports		

WIRELESS MODEMS AND TRANSCEIVERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each	
			1	10
Radio Modems				
600-ZP24D-250RM-SR	ZP24D-250RM-SR	Zlinx™ Wireless Radio Modem, 250K, 2.4GHz Industrial Grade 40 Mile Range		
600-ZP9D-115RM-LR	ZP9D-115RM-LR	Zlinx™ Wireless Radio Modem, 115K, 900MHz Industrial Grade 40 Mile Range		
600-ZXT24-RM	ZXT24-RM	Zlinx™ Wireless Xtreme Radio Modem, 2.4 GHz, Outdoor		
600-ZXT9-RM	ZXT9-RM	Zlinx™ Wireless Xtreme Radio Modem, 900 MHz, Outdoor		
Wireless Transceivers				
600-ZZ24D-NB-SR	ZZ24D-NB-SR	Zlinx™ Wireless MODBUS I/O 2.4GHz 100mW Up To 91m 4DI 4DO, Short Range		
600-ZZ9D-NB-LR	ZZ9D-NB-LR	Zlinx™ Wireless MODBUS I/O 900MHz 1W Up To 914m 4DI 4DO, Long Range		



EIR408-T Shown

ZIGBEE MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each	
			1	10
600-ZXT24-IO-222R2	ZXT24-IO-222R2	Zlinx™ Xtreme Wireless I/O, 2.4GHz, Analog, Outdoor		
600-ZXT9-IO-222R2	ZXT9-IO-222R2	Zlinx™ Xtreme Wireless I/O, 900MHz, Analog, Outdoor		

DEVELOPMENT TOOLS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each	
			1	10
600-ZZ-PROG1-USB	ZZ-PROG1-USB	Zlinx™ USB Programming Module, Cable, Software CD		
600-ZXT9-IOA-KIT	ZXT9-IOA-KIT	Zlinx™ Xtreme Wireless Point To Point Kit 900MHz		



ZP24D-250RM-SR Shown

Energy Harvesting Modules and Kits

Products may be RoHS compliant. Check mouser.com for RoHS status.

MICROCHIP XLP ENERGY HARVESTING KIT

The XLP 16-bit Energy Harvesting Development Kit is a true development platform for realizing energy harvesting applications. It is based on Microchip's PIC® MCUs with nanoWatt XLP Technology and Cymbet's EVAL-08 Solar Energy Harvester.

Included in the Evaluation Kit:

- Cymbet Eval-08 Solar Energy Harvesting Board and Cable
- PICkit 3 Programmer/Debugger
- XLP 16-bit Development Board
- USB Cables
- PIC24F16KA102 Microcontroller
- XLP 16-bit Energy Harvesting Development Kit user guide

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Fig.	Description	Microcontroller	Price Each
579-DV164133	DV164133	A	XLP 16-Bit Solar Energy Harvesting Kit	PIC24F16KA102	

ENERGY HARVESTING KITS AND MODULES

The EnerChip EH CBC5300 is a self-contained Energy Harvesting power module in a 24-pin DIP configuration. The CBC5300 module is designed to accept a wide range of energy transducer inputs, store the harvested power, and deliver managed power to the target system. The purpose of this module is to enable system designers to quickly develop Energy Harvesting applications.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cymbet Part No.	Fig.	Description	Microcontroller	Price Each
722-CBC-EVAL-05	CBC-EVAL-05	B	EnerChip CC Evaluation Kit	722-cb3150-D9C, 722-cbc3112-D7C	
722-CBC-EVAL-09	CBC-EVAL-09	C	EnerChip EP Universal EH Kit	722-cbc3150-D9C	
722-CBC-EVAL-10	CBC-EVAL-10	D	EnerChip CCEH EH Kit	722-cbc3150-D9C	
722-CBC-EVAL-11	CBC-EVAL-11	E	EnerChip RF Inductive Charging Demo Kit	722-cbc3150-D9C	

ELECTRONIC BATTERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cymbet Part No.	Output Voltage (V)	Capacity (µAh)	Price Each		
				1	10	25
722-CBC012-D5C	CBC012-D5C	3.8	12			
722-CBC050-M8C	CBC050-M8C	3.8	50			
722-CBC3112-D7C	CBC3112-D7C	3.6	12			
722-CBC3150-D9C	CBC3150-D9C	3.3	50			

EZ430-RF2500-SEH DEVELOPMENT TOOL

The ez430-RF2500 is a complete wireless development tool for the MSP430 and CC2500 that includes all the hardware and software required to develop an entire wireless project with the MSP430 in a convenient USB stick. The tool includes a USB-powered emulator to program and debug your application in-system and two 2.4-GHz wireless target boards featuring the highly integrated MSP430F2274 ultra-low-power MCU.

MOUSER STOCK NO.	TI Part No.	Description	Price Each
595-EZ430-RF2500	EZ430-RF2500	2.4GHZ MSP430 Wireless Development Tool	

POWERCAST WIRELESS SENSOR SYSTEM

POWERCAST™

WSN-1001 Benefits:

- No batteries to replace
- No wires to install
- Powered wirelessly

WSG-101 Benefits:

- Multiple BAS protocols
- Up to 100 devices
- Easy configuration

The WSN-KIT-01 Wireless Sensor Kit includes the WSN-1001 and WSG-101

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Power Cast Part No.	Fig.	Description	Price Each
582-WSN-1001	WSN-1001	F	Lifetime Power® Wireless Temperature and Humidity Sensor BAS Gateway with serial out via USB Wireless Sensor Kit with WSG-101-SERIAL	
582-WSG-101-SERIAL	WSG-101-SERIAL	G		
582-WSN-KIT-01	WSN-KIT-01	H		

POWERHARVESTER® RECEIVERS AND POWERCASTER™ TRANSMITTERS

POWERCAST™

Powerharvester Receivers can harvest directed or ambient RF energy and convert it to DC power for remotely recharging batteries or battery-free devices.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Power Cast Part No.	Fig.	Description	Price Each		
				1	10	25
582-P1110	P1110	I	P1110 Powerharvester® Receiver			
582-P1110-EVB	P1110-EVB	J	P1110 Evaluation Board			
582-P2110	P2110	K	P2110 Powerharvester® Receiver	-	-	-
582-P2110-EVB	P2110-EVB	L	P2110 Evaluation Board	-	-	-
582-TX91501-3W-ID	TX91501-3W-ID	M	TX91501 Powercaster™ Transmitter - 3Watt			
582-TX91501-1W-ID	TX91501-1W-ID	M	TX91501 Powercaster™ Transmitter - 1Watt			

LIFETIME POWER® ENERGY HARVESTING DEVELOPMENT KITS

POWERCAST™

MOUSER STOCK NO.	Power Cast Part No.	Fig.	Description	Price Each
582-P2110-EVAL-01	P2110-EVAL-01	N	Wireless Sensors - featuring PIC® MCU with nanoWatt XLP	
582-P2110-EVAL-02	P2110-EVAL-02	-	Wireless Charging - featuring IPS THINERGY® Micro-Energy Cell	

micropelt TE POWER-MOTE THERMAL ENERGY HARVESTER

Features:

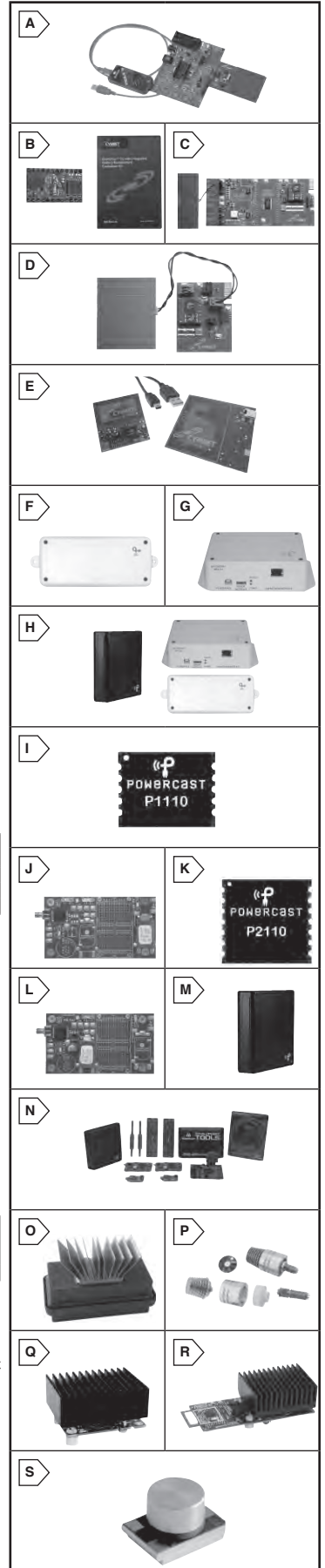
- Eliminate battery replacement
- Operates from waste heat or cold
- Starts operating from a low delta-T
- Output Supply: 2.4V
- Software for thermal/power analysis and temperature monitoring
- Operating Temp (Max): Hot Side: 105, Ambient Air: 85

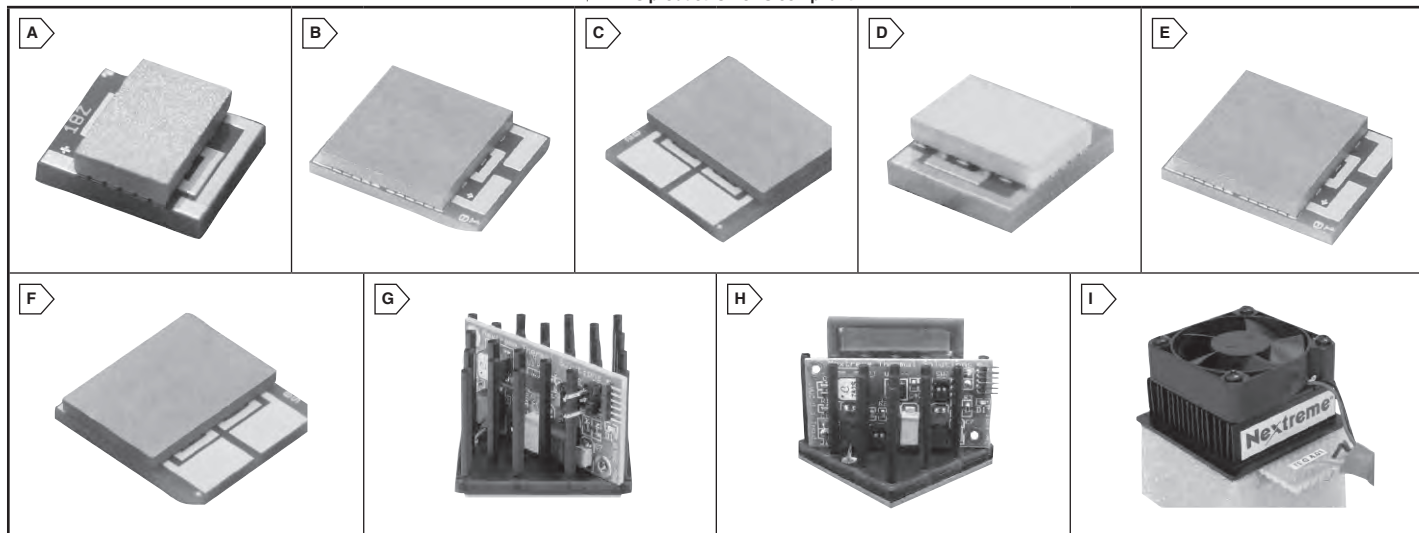


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For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Micropelt Part No.	Fig.	Description	Microcontroller	Price Each
740-TE-POWER-MOTE	TE-POWER-MOTE	O	Sealed autonomous wireless sensor for outdoor and indoor condition monitoring	TI MSP 430-F2274	
740-TE-POWER-PROBE	TE-POWER-PROBE	P	Screw or plug-in thermoharvester for dry or direct liquid attachment	-	
740-TE-CORE7	TE-CORE7	Q	Thermal energy harvesting module	-	
740-TE-CORE7-RF	740-TE-CORE7-RF	R	Self-powered wireless sensor node, designed for evaluation and prototyping.	-	
740-TGP-751	TGP-751	S	Thin film thermo generator	-	





THERMOELECTRIC COOLING

Nextreme HV Series Thermoelectric Coolers are part of a new line of thin-film, high voltage and high heat pumping thermoelectric coolers (TECs) that are designed for the cooling and temperature control of photonics and optoelectronic devices. Nextreme has developed the HV Series Thermoelectric Coolers to address electronics cooling applications with high heat flux and larger heat pumping requirements. The HV Series removes unique voltage and current requirements as barriers to the integration of thin-film thermoelectrics into electronics.

The size, input power requirements, and heat pumping capability of the OptoCooler™ HV14 make it particularly well suited for devices such as laser diodes and high brightness LEDs.

Applications:

- Semiconductor optical amplifiers (SOA)
- Laser Diodes
- High Brightness LEDs
- VCSELs
- Photo-detectors



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nextreme Part No.	Fig.	Maximum Cooling (W)	Heat Pump Capability (W/cm ²)	ΔT Max (°C)	Resistance @ 85°C (Ω)	Operating Temp. Max. (°C)	Footprint (mm)	Description	Price Each		
										1	25	50
944-NCA11014430202AA	NCA-1101443-0202A_A	A	1.7	115	60	2.3	150	1.52x1.79	HV14 thermoelectric cooler			
944-NCA10037500202AA	NCA-1003750-0202A_A	B	4.5	107	60	6.1	150	2.1x2.9	HV37 thermoelectric cooler			
944-NCA10037500202AW	NCA-1003750-0202A_W	-	4.5	107	60	6.1	150	2.1x2.9	HV37 thermoelectric cooler with wire leads			
944-NCA10048500304AA	NCA-1004850-0304A-A	C	6	58	60	9.2	150	3.1x3.3	HV56 thermoelectric cooler			
944-NCA10048500304AW	NCA-1004850-0304A-W	-	6	58	60	9.2	150	3.1x3.3	HV56 thermoelectric cooler eTEC w/wire leads			

THERMOELECTRIC POWER GENERATION

Nextreme eTEG™ HV Thermoelectric Power Generators are the next generation of high voltage, thinfilm thermoelectric generators developed to address micro-power applications. The Nextreme eTEG™ HV Thermoelectric Power Generators can convert waste heat from thermal sources into usable electricity as an energy source. Manufactured using semiconductor fabrication techniques, the eTEG is scalable, cost-effective, and can be utilized in a broad range of markets and applications including automotive, government and aerospace, thermal batteries, medical implants, and wireless sensor networks.

At the core of the eTEG™ module is Nextreme's breakthrough Thermal Copper Pillar Bump, a structure made from thin-film thermoelectric material embedded into flip chip interconnects (in particular, copper pillar solder bumps) used in electronic and optoelectronic packaging. The device generates electricity via the Seebeck Effect, where electricity is produced from a temperature differential applied across the device.

Applications:

- Automotive
- Aerospace
- Thermal batteries
- Medical implants
- Wireless sensor networks



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nextreme Part No.	Fig.	Output Power (mW)	Output Voltage Range (V)	Footprint (mm)	Description	Price Each		
							1	25	50
944-NGA11014430202AA	NGA-1101443-0202A_A	D	33	.3-1.1	1.8x1.5	HV14 thermoelectric power generator			
944-NGA10037500202AA	NGA-1003750-0202A_A	E	24	.17-.85	2.1x2.9	HV37 thermoelectric power generator			
944-NGA10037500202AW	NGA-1003750-0202A_W	-	24	.17-.85	2.1x2.9	HV37 thermoelectric power generator with wire leads			
944-NGA10048500304AA	NGA-1004850-0304A-A	F	36.5	.25-1.25	3.1x3.3	HV56 thermoelectric power generator			
944-NGA10048500304AW	NGA-1004850-0304A-W	-	36.5	.25-1.25	3.1x3.3	HV56 thermoelectric power generator with wire leads			

Development Kits



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nextreme Part No.	Fig.	Output Power (mW)	Output Voltage Range (V)	Output Current (mA)	Description	Price Each		
							1	25	50
944-WPG-1	WPG-1	G	1	3.3-5	0.1	WPG-1 Wireless Power Generator			
944-WPG-1S	WPG-1S	H	80	3.3	30	WPG-1S Wireless Power Generator with On-board Storage			
944-NGA10048503040A	NCA-1004850-3040A_KIT	I	-	-	-	HV56 thermoelectric power generator evaluation kit			

Development Boards



pandaboard.org PANDABOARD MOBILE DEVELOPMENT PLATFORM



This product is RoHS compliant.

- Features:**
- Core Logic: OMAP4 applications Processor
 - Memory: 1GB DDR2 RAM
 - Full Size SD/MMC card port
 - 10/100 Ethernet
 - USB: (1) USB 2.0 OTG port, (2) USB 2.0 High-speed port

- Interface: (1) General Purpose Expansion Header (I2C, GPMC, USB, MMC, DSS, ETM)
- Camera Expansion Header
- Display Connectors: HDMI v1.3, DVI-D, LCD Expansion
- Audio Connectors: 3.5" In/Out, HDMI audio out

- Wireless Connectivity: 802.11b/g/n (WiLink™ 6.0)
- Debug options: JTAG, UART/RS-232, 1 GPIO button
- Graphics APIs: OpenGL ES v2.0, OpenGL ES v1.1, OpenVGv1.1, and EGL v1.3



For quantities greater than listed, call for quote.

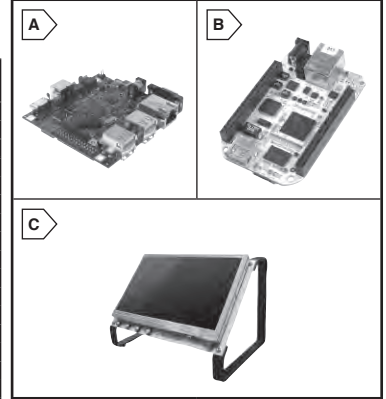
MOUSER STOCK NO.	Pandaboard Part No.	Description	Price Each
595-PANDABOARD	UEVM4430G-01-00-00	Pandaboard ARM Cortex-A9 MPCore 1GHz OMAP4430 SoC Platform	
595-PANDABOARD-ES	UEVM4460G-02-01-00	Pandaboard ARM Cortex-A9 MPCore 1.2GHz OMAP4460 SoC Platform	

beagleboard.org BEAGLEBOARD BY CIRCUITCO DEVELOPMENT PLATFORMS

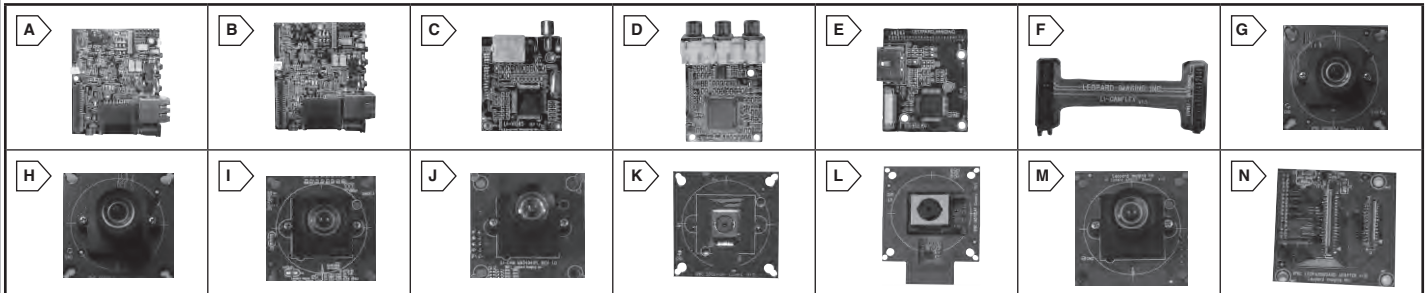


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Beagleboard Part No.	Fig.	Description	Price Each
595-BEAGLEBOARD-XM	BEAGLEBOARD-XM	A	Beagleboard xM ARM Cortex-A8 DM3730CBP 1GHz SoC Platform	
595-BEAGLEBONE-000	BB-BONE-000	B	Beaglebone ARM Cortex-A8 TI AM3359 700MHz+ SoC Platform	
Accessories				
595-BB-CAPE-LCD	BB-CAPE-LCD	C	Display Development Tools - Beaglebone Cape LCD (800x480)	
595-BB-BONE-LCD3-01	BB-BONE-LCD3-01	-	Display Development Tools - Beaglebone Cape LCD (320x240)	
595-BB-BONE-LCD4-01	BB-BONE-LCD4-01	-	Beaglebone Cape - TFT LCD 4.3" (480x272)	
595-BB-BONE-SERL-01	BB-BONE-SERL-01	-	Beaglebone Cape - CAN Bus with DSUB-9	
595-BB-BONE-SERL-03	BB-BONE-SERL-03	-	Beaglebone Cape - RS-232 Bus with DSUB-9	
595-BB-BONE-BATT-01	BB-BONE-BATT-01	-	Beaglebone Cape Battery Board - 4xAA	
595-BB-CAPE-DVI-D	BB-CAPE-DVI-D	-	Beaglebone Cape - DVI-D / HDMI Output	
595-BB-BONE-DVID-02	BB-BONE-DVID-02	-	Beaglebone Cape - DVI-D/ HDMI Output with Audio	
595-BB-BONE-CAM3-01	BB-BONE-CAM3-01	-	Beaglebone Cape - Imaging Camera Module (LI-3M02CM)	
595-BB-BONE-WTHR-01	BB-BONE-WTHR-01	-	Beaglebone Cape - Temperature, Barometric pressure, Humidity, and Ambient light	
595-BB-BONE-AUDI-01	BB-BONE-AUDI-01	-	Beaglebone Cape - Low Power Audio in/out	
595-BB-CAPE-BREAKOUT	BB-CAPE-BREAKOUT	-	Beaglebone Cape - Breakout Board	
595-BB-CAPE-BREADBRD	BB-CAPE-BREADBRD	-	Beaglebone Cape - Breadboard	



LEOPARD IMAGING DEVELOPMENT BOARDS



Leopardboard 365 Features:

- ARM926EJ-S Core: 216, 270, 300MHz
- Enhanced Video Processing Subsystem with Face Detection module
- Video Processing Subsystem (VPSS)
- HD Video Codecs: H.264, MPEG4, MJPEG, WMV9/VC1, MPEG2
- Audio Codecs: MP3, WMA, AAC, Audio Echo Canceled (AEC)
- 10/100 Ethernet Port
- USB 2.0 (can be used to power the board or as expansion)
- JTAG and Serial ports for debugging
- SD memory card support (also supports SDO)
- Stereo audio In/Out
- Composite TV/Component HD TV Output, LCD/DVI Interface

Leopardboard 368 Features:

- 432-MHz ARM926EJ-S Clock Rate
- Two Video Image Co-processors (HDVICP, MJCP) Engines
- Supports a Range of Encode, Decode and Video Quality Operations
- Video Processing Subsystem
 - HW Face Detect Engine
 - Resize Engine from 1/16x to 8x
 - 16-Bit Parallel AFE (Analog Front-End) Interface Up to 120MHz
 - 4:2:2 (8-/16-bit) Interface
 - 8-/16-bit YCC and Up to 24-Bit RGB888 Digital Output
 - 3 DACs for HD Analog Video Output
 - Hardware On-Screen Display (OSD)
- Capable of 1080p 30fps H.264 video processing
- Peripherals include EMAC, USB 2.0 OTG, DDR2/NAND, 5 SPIs, 2 UARTs, 2 MMC/SD SDIO, Key Scan
- Pin-to-pin and software compatible with DM365
- 3.3-V and 1.8-V I/O, 1.35-V Core

For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each
Development Boards			
931-LI-TB01	A	Leopardboard 365 - DaVinci TMS320DM365	
931-LI-TB02	B	Leopardboard 368 - DaVinci TMS320DM368	
Daughter Boards			
931-LI-5M04CM	-	5M CMOS (Aptina) Camera Module	
931-LI-5M05CMAF	-	5M Auto Focusing CMOS (Aptina) Camera Module: Output YUV, RAW	
931-LI-5M06CMAF	-	5M Auto Focusing CMOS (Aptina) Camera Module: Output RGB	
931-LI-5M03	-	5M M12 Lens Camera Board	
931-LI-5M03CS	-	5M MT9P031 Camera Board CS Mount without Lens	
931-LI-VI365	C	HD Y/Pb/Pr Video Input Board	
931-LI-HDI365	D	Component HD Video Input Board	
931-LI-DVI1	E	DVI Video Output Board	
931-LI-LBCMVA	-	VGA Camera Board for Leopard Board	
931-LI-VM34LP	-	Global Shutter WVGA Camera Board - M12 Lens	
931-LI-LBCM1M1	-	1.3M CMOS (Aptina) Camera Board	
931-LI-LBCM2M1	-	2M CMOS (Aptina) Camera Board	
931-LI-LBCM3M1	-	3M CMOS (Aptina) Camera Board	
931-LI-LBCM5M1	-	5M CMOS (Aptina) Camera Board	
Accessories			
931-LI-PS5-01	-	+5 VDC Universal Power Supply	
931-LI-CAMFLEX	F	Camera Board Extension Cable - 2"	
931-LI-FLEX01	-	4" 26-PIN FLEX EXTENSION CABLE	
931-LI-FLEX03	-	60mm 36-PIN 0.5mm PITCH FLEX CABLE	

MOUSER STOCK NO.	Fig.	Description	Price Each
Camera Modules for TI IPCamera			
931-LI-CAM-M034	G	Aptina MT9M034, 720p@30fps H.264, 1.2MP	
931-LI-CAM-OV2715	H	OmniVision OV2715, 1080p@30fps H.264	
931-LI-CAM-OV10633	H	OmniVision OV10633, 720p@30fps H.264	
931-LI-CAM-IMX036	I	Sony IMX036, 1080p@30fps H.264, 3.27MP	
931-LI-CAM-MN34041	J	Panasonic MN34041, 1080p@30fps H.264, 2.1MP	
931-LI-CAM-SOC5140AF	K	Aptina MT9P111, 30fps, 5MP	
931-LI-CAM-MI5100AF	L	Aptina MT9P03112STC, 15fps, 5MP	
931-LI-CAM-AR0331	M	High Dynamic Range camera	
Camera Module and Board			
931-LNC-M10-OV2715	-	OmniVision OV2715, 1080P @30fps	
931-LNC-M01-OV10633	-	OmniVision OV10633, 720P @30fps	
931-LNC-M00-M034	-	Aptina MT9M034, 720P @30fps	
931-LNC-M10-MI5100AF	-	Aptina MT9P011, 1080P @12fps	
931-LNC-M11-AR0331	-	Aptina AR0331, 1080P@30fps	
931-LNC-M10-IMX036	-	Sony IMX036, 1080P @30fps	
931-LNC-M10-MN34041	-	Panasonic MN34041, 1080P @30fps	
Accessories			
931-LI-VCAMADAPTER	N	Adapter for LI-CAM modules to Leopardboard 36x, TI IPCamera	



ARDUINO Development Boards and TinkerKits



Arduino provides open-source electronics prototyping platforms based on flexible, easy-to-use hardware and software. Arduino prototyping platforms are intended for artists, designers, hobbyists, and anyone interested in creating interactive objects or environments. Arduino's prototyping platforms can sense the environment by receiving input from a variety of sensors and can affect their surroundings by controlling lights, motors, and other actuators. Arduino projects can be stand-alone or they can communicate with software running on a computer.

Embedded Modules
Arduino

ARDUINO PROTOTYPING PLATFORMS

Development Boards



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Arduino Part No.	Microcontroller	Clock Speed (MHz)	Digital I/O Pins	Analog I/O Pins	Flash Memory	Description	Price Each		
								1	10	100
782-A000057	A000057	ATmega32u4	16	20	12	32KB	Leonardo AVR Microcontroller Board			
782-A000066	A000066	ATmega328P	16	14	6	32KB	Arduino Uno, Revision 3 Microcontroller Board			
782-A000067	A000067	ATmega2560	16	54	16	256KB	Arduino Mega2560 Revision 3 Microcontroller Board			
782-A000003	A000003	ATmega328	16	14	8	16KB	Mini Microcontroller Board			
782-A000004	A000004	ATmega328	16	14	8	16KB	Mini Lite Microcontroller Board			
782-E000010	E000010	ATmega328P	8	14	8	32KB	Fio Microcontroller Board			

Shields



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Arduino Part No.	Description	Price Each	
			1	10
782-A000030	A000030	Power Management Controller		
782-A000006	A000006	Serial Interface for Arduino Board		
782-A000007	A000007	Xbee with RF module		
782-A000021	A000021	Xbee Shield without RF module		
782-A000014	A000014	AVR USB/Serial Converter		
782-A000015	A000015	AVR USB/Serial Converter Lite		
782-A000059	A000059	USB 2 Serial Converter		
782-A000050	A000050	Ethernet without PoE		
782-A000055	A000055	Ethernet Micro-SD with PoE		
782-A000058	A000058	Arduino WiFi Shield		
782-A000060	A000060	Ethernet without PoE +USB 2 Serial		
782-A000061	A000061	Ethernet with PoE +USB 2 Serial		
782-A000064	A000064	Wireless Shield		
782-A000065	A000065	Wireless Shield with SD		
782-A000068	A000068	Ethernet Shield without PoE Rev.3		
782-A000075	A000075	Ethernet Shield Mic-SD with PoE Rev. 3		

Prototyping & Kits (Cont.)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Arduino Part No.	Description	Price Each	
			1	10
782-A000081	A000081	MEGA Protoshield Revision 3 Kit		
782-A000082	A000082	ProtoShield Rev3 with headers and 1 reset switch		
782-A000032	A000032	Breadboard with Wire Kit		
782-A000009	A000009	Plastic Enclosure for Arduino Board		
782-A000010	A000010	Kit base		
782-A000028	A000028	Workshop Base Level without Arduino Board		

Prototyping & Kits



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Arduino Part No.	Description	Price Each	
			1	10
782-T030081	T030081	Half Breadboard PCB Module		
782-T030080	T030080	Full Breadboard PCB Module		
782-A000080	A000080	MEGA Protoshield Revision 3		

Accessories



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Arduino Part No.	Description	Price Each	
			1	10
782-A000085	A000085	Header Strip, 2pcs, 14.5mm pitch, 8 ways		
782-A000084	A000084	Header Strip, 2pcs, 14.5mm pitch, 6 ways		
782-A000086	A000086	Header Strip, 2pcs, 14.5mm pitch, 10 ways		
782-A000026	A000026	Header Strip 40 x 1		
782-A000040	A000040	14.5mm Strip 6 and 8 Ways		
782-A000045	A000045	USB Cable Type A/B, 6FT		
782-A000054	A000054	Mini USB Cable, 6FT		
782-A000071	A000071	USB Cable - USB to MicroUSB (Canon), 1.8m		
782-B000003	B000003	Open Software Book - prototyping w/ conductive fabric, resistive thread, soft buttons, etc.		

TINKERKITS

TinkerKit simplifies electronic prototyping throughout a wide variety of sensors and actuators soldered on orange-colored boards you can hook up to the Arduino through the Sensor Shield and three-pin cables. A little signal amplifier helps to stabilize the signals running on the cables, ensuring clean analysis from the sensors even on long distances (1m-5m). TinkerKit has been conceived for school teaching and museum exhibitions, allowing the setup of interactive environments on the run, without using soldering iron or breadboard. TinkerKit is the result of years of award-winning experience in Interaction Design. For a long time it has been developed as an internal tool, improved bit by bit project by project, client by client.

Kits

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Arduino Part No.	Description	Price Each	
			1	10
782-K000001	K000001	Base Kit		
782-K000002	K000002	Starter Kit		
782-K000003	K000003	Professional Kit		
782-K000006	K000006	ADK Kit		

Modules



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Arduino Part No.	Description	Price Each	
			1	10
782-X000002	X000002	PoE Module		
782-T020060	T020060	Sensor Shield V.2		
782-T020070	T020070	Mega Sensor Shield V.2		
782-T000020	T000020	Accelerometer Module		
782-T000030	T000030	Joystick Module		
782-T000070	T000070	Hall Sensor Module		
782-T000090	T000090	LDR Sensor Module		
782-T000140	T000140	Potentiometer Module - Rotary		
782-T000150	T000150	Potentiometer Module - Linear		
782-T000180	T000180	Pushbutton Module		
782-T000190	T000190	Tilt Sensor Module		
782-T000200	T000200	Thermistor Module		

Modules (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Arduino Part No.	Description	Price Each	
			1	10
782-T000220	T000220	Touch Sensor Module		
782-T010010	T010010	Relay Module		
782-T010051	T010051	Servo Module - Analog, 42x20.5x39.5mm, 360° Rotation		
782-T010050	T010050	MicroServo Module - Analog, 22.2x11.6x21.5mm, 180° Rotation		
782-T000062	T000062	2 Axis Gyroscope Module, 4X Sensitivity		
782-T000060	T000060	2 Axis Gyroscope Module, 1X Sensitivity		
782-T010020	T010020	MOSFET Module		
782-T010110	T010110	Power LED Module		
782-T010111	T010111	Blue LED Module 5mm		
782-T010112	T010112	Green LED Module 5mm		
782-T010113	T010113	Yellow LED Module 5mm		
782-T010114	T010114	Red LED Module 5mm		
782-T010115	T010115	Blue LED Module 10mm		
782-T010116	T010116	Green LED Module 10mm		
782-T010117	T010117	Yellow LED Module 10mm		
782-T010118	T010118	Red LED Module 10mm		

Accessories

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Arduino Part No.	Description	Price Each	
			1	10
782-T020060	T020060	Toolkit wire, 20cm		
782-T020070	T020070	Toolkit wire, 50cm		
782-T020080	T020080	Toolkit wire, 100cm		

CONNECT ONE iChip, Socket Modules & Device Servers

The Device Networking Authority

 This page of product is compliant.

CONNECT ONE WI-REACH™ CLASSIC MOBILE HOTSPOT

Wi-REACH™ Classic is a compact, battery-operated, mobile WiFi hotspot. Wi-REACH™ Classic combines the connectivity of WiFi with the excellent mobile coverage of 3G/4G cellular and transforms an existing 3G USB modem into a personal Wi-Fi cloud that can be shared between up to 10 Wi-Fi devices. Its built-in rechargeable battery delivers four to five hours in normal use and can be recharged using the built-in USB connector.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Connect One Part No.	Description	Price Each		
			1	25	100
890-WIREACH-US-110	WIREACH-US-110	Battery-operated, mobile WiFi hotspot			

CONNECT ONE iCHIP

iChip™ updateable Internet Controller™ chips provide a cost-effective and reliable solution for embedding IP-based communication and other network services in low-cost, non-PC devices running M2M (machine-to-machine) applications. iChip mediates the connection between a host device and the Internet, operating as an embedded device server. It eliminates the need for Internet programming and avoids the hassle, risks and costs of a development project. Instead, you are assured a fast design-in, with predictable timing and budget. Typical design time is one man-month.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Connect One Part No.	Description	Price Each		
			1	25	100
iChip Internet Controllers					
890-CO2144/48LI-3	CO2144/48LI-3	iChipSec CO2144			
890-CO2128/48LI-3	CO2128/48LI-3	iChipSec CO2128			
890-CO2064/48LI-3	CO2064/48LI-3	iChipSec CO2064			
iChip Internet Controllers Sample Packs					
890-CO2144/48LI-3-SP	CO2144/48LI-3(SP)	iChipSec CO2144 Sample Pack (2 modules)			
890-CO2128/48LI-3-SP	CO2128/48LI-3(SP)	iChipSec CO2128 Sample Pack (2 modules)			
iChips Evaluation Boards					
890-II-EVB630W3EU220	II-EVB-630W-3-EU-220	iChipSec CO2128/2144 Evaluation Board - Europe		-	-
890-II-EVB630W3US110	II-EVB-630W-3-US-110	iChipSec CO2128/2144 Evaluation Board - US		-	-

CONNECT ONE EMBEDDED WIFI MODULES

Connect One embedded WLAN modules enable devices to easily connect to IP Networks over an 802.11b/g Wireless LAN with no driver development or WiFi certifications. All modules include the Connect One iChip™, complete with full TCP/IP and SSL stacks and an 802.11b/g chipset. Modules have serial, SPI, USB and RMI interfaces. Nano WiReach WiFi is pin-compatible with the Nano LANReach LAN module. Nano socket iWiFi is pin compatible with the Nano SocketLAN LAN module. This allows customers to design a simple PCB for either LAN or WiFi connectivity.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Connect One Part No.	Description	Price Each		
			1	25	100
Embedded WiFi Modules					
890-IWSM2128MW-EU	IW-SM2128MW-EU	Secure Socket iWiFi 802.11b/g - Europe			
890-IW-SM2128MW-US	IW-SM2128MW-US	Secure Socket iWiFi 802.11b/g - US			
890-IW-SM2128M1-EU	IW-SM2128M1-EU	Mini Socket iWiFi - Europe			
890-IW-SM2128M1-US	IW-SM2128M1-US	Mini Socket iWiFi - US			
890-IW-SM2144N1-US-0	IW-SM2144N1-US	Nano WiReach module External Ant - US			
890-IW-SM2144N2-US	IW-SM2144N2-US	Nano Socket WiFi module with onboard antenna US			
890-IW-SM2144N2-EU	IW-SM2144N2-EU	Nano Socket WiFi module with sonboard antenna US			
890-IW-SM2144N1-EU-0	IW-SM2144N1-EU	Nano WiReach module External Ant - EU			
890-IWSM2144SMT-EX	IW-SM2144SMT-EX	WiFi/802.11 Modules & Development Tools Nano WiReach SMT External Antenna			
890-IWSM2144SMT-OB	IW-SM2144SMT-OB	WiFi/802.11 Modules & Development Tools Nano WiReach SMT External Antenna			
Evaluation Boards for Embedded WiFi Modules					
890-II-EVB363MDEU220	II-EVB-363MD-EU-220	Nano WiReach+LANReac Evaluation Board-EU		-	-
890-II-EVB363MDUS110	II-EVB-363MD-US-110	Nano WiReach+LANReac Evaluation Board-US		-	-
890-II-EVB361MWEU220	II-EVB-361MW-EU-220	Secure Socket iWiFi Evaluation Board-Europe		-	-
890-II-EVB361MWUS110	II-EVB-361MW-US-110	Secure Socket iWiFi Evaluation Board-US		-	-
890-II-EVB362MWEU220	II-EVB-362MW-EU-220	Mini Socket iWiFi Evaluation Board-Europe		-	-
890-II-EVB362MWUS110	II-EVB-362MW-US-110	Mini Socket iWiFi Evaluation Board-US		-	-
890-II-EVB363MWEU220	II-EVB-363MW-EU-220	Nano WiReach Evaluation Board-Europe		-	-
890-II-EVB363MWUS110	II-EVB-363MW-US-110	Nano WiReach Evaluation Board-US		-	-
890-II-EVB363MOUS110	II-EVB-363MO-US-110	Nano Socket WiFi module Eval Board 110V US		-	-
890-II-EVB363MOEU220	II-EVB-363MO-EU-220	Nano Socket WiFi module Eval Board 220V EU		-	-
890-II-EVB365SMT	II-EVB-365SMT	Evaluation Board II-EVB-365SMT		-	-
Accessories for Embedded WiFi Modules					
890-CABLE-USB-RS232	CABLE-USB-RS232	High speed USB-Serial cable		-	-
890-IW-ANT2-BL	IW-ANT2-BL	Antenna WiFi antenna with SMA connector- 2db gain - 110mm - black			
890-IW-CAB-150	IW-CAB-150	Cable Miniature coaxial pigtail cable. UFL-RP SMA connectors. 150mm length			

CONNECT ONE EMBEDDED LAN MODULES

Connect One offers a line of secure embedded Ethernet modules that enable devices to easily connect to IP Networks over a 10/100Base T Ethernet LAN. Both modules include the iChip™ CO2144 complete with full TCP/IP and SSL stacks and a 10/100Base T Ethernet PHY with RJ45 connector. Nano LANReach is pin-compatible with the Nano WiReach WiFi module. Nano SocketLAN is pin compatible with the Nano SocketWiFi WiFi module. This allows customers to design a single PCB for either LAN or WiFi connectivity.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Connect One Part No.	Description	Price Each		
			1	25	100
Embedded LAN Modules					
890-IL-SM2144N1-I	IL-SM2144N1-I	Nano LANReach - Industrial			
890-IL-SM2144NH-I	IL-SM2144NH-I	Nano SocketLAN - Industrial			
Evaluation Boards for Embedded LAN Modules					
890-II-EVB-363ML-110	II-EVB-363ML-110	Nano LANReach Evaluation Board - US			
890-II-EVB-363ML-220	II-EVB-363ML-220	Nano LANReach Evaluation Board - EU			
890-II-EVB-363MS-110	II-EVB-363MS-110	Nano SocketLAN Evaluation Board - US			
890-II-EVB-363MS-220	II-EVB-363MS-220	Nano SocketLAN Evaluation Board - EU			

CONNECT ONE SECURE iLAN

Secure iWiFi™ and secure iLAN are serial-to-WiFi and serial-to-LAN device servers that enables installed serial devices to connect via their existing serial port to the internet over a wired or wireless LAN. They include a full TCP/IP stack, SSL, and multiple bundled applications such as email, FTP, web server, etc. Secure iLAN and iWiFi eliminates the need for any hardware modifications to the host device. Simply connect to a serial cable from Secure iLAN or iWiFi RS232 or RS485 connector to your device. Your device is ready to connect to the wired/wireless LAN.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Connect One Part No.	Description	Price Each		
			1	25	100
Secure iLAN					
890-IL2128-485-009	iL2128-485-009	Secure iLAN-RS485			

DEVELOPMENT KITS

Digi development kits are powerful, easy to use, affordable, and deliver a complete out-of-the-box solution. Plug-and-play firmware offers a rapid development platform without the need for additional programming. Professional embedded application development is available using NET+OS®, Digi Embedded Linux®, Microsoft® Windows® Embedded CE 6.0, Microsoft .NET Micro Framework and the royalty-free Digi development tools.

CONNECTCORE FOR I.MX53

PRODUCT NEW

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
888-CC-WMX53-LX	CC-WMX53-LX	JumpStart Kit for Digi Embedded Linux, 7" WVGA LCD panel w/touchscreen	
888-CC-WMX53-CE	CC-WMX53-CE	JumpStart Kit for Microsoft Windows Embedded Compact 7, 7" WVGA LCD panel w/touchscreen	
860-CC-WMX53-ANDRD	CC-WMX53-ANDRD	JumpStart Kit for Android, 7" WVGA LCD panel w/touchscreen	
Digi Connect ME 9210 Kits			
860-DC-ME-01T-GN-NR	DC-ME-01T-GN-NR	Digi Connect ME Dev. Kit without Raven debugger (for use with "C" models)	
860-DC-ME-9210-NET	DC-ME-9210-NET	Digi Connect ME 9210 JumpStart Kit for NET+OS 7	
Digi Connect ME® for Microsoft .NET Micro Framework Kits			
860-DC-ME-MF	DC-ME-MF	Digi Connect ME JumpStart Kit for NET Micro Framework	
Digi Connect Wi-ME® Kits			
860-DC-WME-NET	DC-WME-NET	Digi ConnectCore Wi-ME JumpStart Kit for NET+OS 7	
860-DC-WME-01T-GN	DC-WME-01T-GN	Digi Connect Wi-ME Development Kit (for use with "C" models)	
860-DC-WME-01T-GN-NR	DC-WME-01T-GN-NR	Digi Connect Wi-ME Dev. Kit without Raven debugger (for use with "C" models)	
Digi Connect Wi-Wave Kits			
860-DC-WWV-EKIT	DC-WWV-EKIT	Digi Connect Wi-Wave JumpStart Kit for Windows CE 6.0	
Digi Connect SP External Serial to 10/100 Wired Ethernet Adapter with Digi Connect Products			
860-DC-SP-NET	DC-SP-NET	Digi ConnectCore SP JumpStart Kit for NET+OS 7	



DC-ME-NET



CC-7U-NET



CC-W9C-NET



CC-9P-NET

CONNECTCORE™ WI-I.MX51, HIGH-END CORE MODULE WITH WIRED AND WIRELESS NETWORKING

The network-enabled ConnectCore Wi-I.MX51 is a highly integrated and future-proof System-on-Module (SoM) solution based on the new Freescale i.MX515 application processor with a high performance 600/800MHz ARM Cortex-A8 core, powerful multimedia capabilities, and a complete set of peripherals.

860-CC-WMX51-CE6-EA	CC-WMX51-CE6-EA	ConnectCoreWi-I.MX51 Development Kit	
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CONNECTCORE 7U

The ConnectCore 7U core processor module utilizes Digi's own NS7520 NET+ARM microprocessor, providing the ideal core processor platform for embedded designs demanding an additional level of performance, connectivity and flexibility.

Digi ConnectCore 7U Kits			
860-CC-7U-NET	CC-7U-NET	Digi ConnectCore 7U JumpStart Kit for NET+OS 7	

CONNECTCORE 9C

The ConnectCore 9C is a powerful ARM9-based core module that enables OEMs to design in core processing functionality and networking capabilities with a single, high-performance solution. Built on Digi's own NET+ARM processor technology, it also delivers the true long-term availability that is a key requirement for embedded applications.

Digi ConnectCore 9C Kits			
860-CC-9C-NET	CC-9C-NET	Digi ConnectCore 9C JumpStart Kit for NET+OS 7	
860-CC-9C-LX	CC-9C-LX	Digi ConnectCore 9C JumpStart Kit for Linux with Digi ESP	
860-CC-9C-CE6	CC-9C-CE6	Digi ConnectCore 9C JumpStart Kit for Microsoft Windows Embedded CE 6.0	
Digi ConnectCore Wi-9C Kits			
860-CC-W9C-NET	CC-W9C-NET	Digi ConnectCore Wi-9C JumpStart Kit for NET+OS 7	
860-CC-W9C-CE6	CC-W9C-CE6	Digi ConnectCore Wi-9C JumpStart Kit for Microsoft Windows Embedded CE 6.0	
Digi ConnectCore 9P 9215 Kits			
860-CC-9P-9215-NET	CC-9P-9215-NET	Digi ConnectCore 9P 9215 JumpStart Kit for NET+OS 7	
860-CC-9P-9215-LX	CC-9P-9215-LX	Digi ConnectCore 9P 9215 JumpStart Kit for Digi Embedded Linux	
Digi ConnectCore 9P 9360 Kits			
860-CC-9P-NET	CC-9P-NET	Digi ConnectCore 9P 9360 JumpStart Kit for NET+OS 7	
860-CC-9P-CE6	CC-9P-CE6	Digi ConnectCore 9P JumpStart Kit for Microsoft Windows Embedded CE 6.0	

CONNECTPORT X5

The ConnectPort X5 R offers the industry's smallest QuintMode (cellular, satellite, GPS, Wi-Fi, Vehicle Area Network) wireless telematics product. The gateway provides remote connectivity to mobile assets to monitor operating health, performance, location and driver/operator behavior, as well as to enable automated event reporting.

PRODUCT NEW

For quantities greater than listed, call for quote.

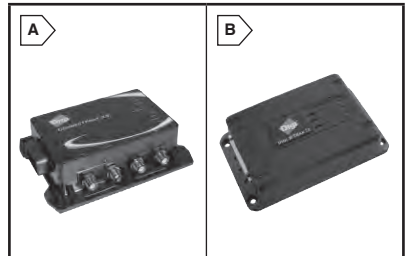
MOUSER STOCK NO.	Digi Part No.	Fig.	Description	Price Each
860-X5R-000-G1T7K-A1	X5R-000-G1T7K-A1	-	ConnectPort X5 Development Kit WiFi + GPRS	
860-X5R-000-G1T70-00	X5R-000-G1T70-00	A	ConnectPort X5 GTWY WiFi, GPRS	

X-TRAK 3

Digi X-Trak 3 is a compact tracking and telematics gateway for monitoring mobile and fixed assets. Digi X-Trak 3 can monitor and update predefined events such as geo-fencing, temperature, route monitoring, over-speeding and in-vehicle parameters monitoring.

PRODUCT NEW

888-XT310U-G1000-KW	XT310U-G1000-KW	B	X-Trak 3 Development Kit Ext Ant (Includes Accessories)	
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XBEE® & XBEE-PRO® DEVELOPMENT KITS

PRODUCT NEW

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Intl. Part No.	Description	Price Each
888-XB24-BPK	XB24-BPK	XBee Series 2 Development Kit includes 5 XBee series 2 modules XBee Starter Development Kit includes 2 XBee units XBee Starter Development Kit includes 2 XBee units XBee-PRO 868 OEM Development Kit	
888-XB24-DKS	XB24-DKS		
888-XB24-DKS-INT	XB24-DKS-INT		
888-XBP08-DK	XBP08-DK	Dev Kit (2) XBee-PRO ZB Programmable Modules (1 Wire Variant, 1 RPSMA Variant); (1) XStick ZB; (1) Debugger; (1) XBee RS-232 Interface Dev Board; (1) XBee USB Interface Dev Board; Accessories and Power Supply (Including International Plug Kit)	
888-XBP24-BZ7B-DK	XBP24BZ7B-DK		
888-XBP24BZ7B-DK-W	XBP24BZ7B-DK-W	Dev Kit (2) XBee-PRO ZB International Programmable Modules (1 Wire Variant, 1 RPSMA Variant); (1) XStick ZB; (1) Debugger; (1) XBee RS-232 Interface Dev Board; (1) XBee USB Interface Dev Board; Accessories and Power Supply (Including International Plug Kit)	
888-XBP24-DKS	XBP24-DKS	XBee-PRO Starter Development Kit includes 2 XBee-PRO units XBee Wi-Fi Development Kit RF SMT Module Development Kit - EMEA RF SMT Module Development Kit - Japan XBee 865/868LP Dev Kit XBee-PRO XSC S3B Development Kit - North America XBee-PRO XSC S3B 920 MHz Development Kit - International ZigBee RF Module Development Kit- USA and Canada ZigBee RF Module Development Kit - Australia ZigBee RF Module Development Kit - all Other International Customers RF SMT Module Development Kit - USA and Canada RF SMT Module Development Kit - all Other International Customers RF SMT Module Development Kit - Australia	
888-XK2-WFT-0	XK2-WFT-0		
888-XK2-Z7SBEO	XK2-Z7SBEO		
888-XK2-Z7SBJ0	XK2-Z7SBJ0		
888-XK8-DMS-0	XK8-DMS-0		
888-XK9-XCT-0	XK9-XCT-0		
888-XK9-XCT-2	XK9-XCT-2		
888-XK-Z11-M	XK-Z11-M		
888-XK-Z11-M-W	XK-Z11-M-W		
888-XK-Z11-M-WA	XK-Z11-M-WA		
888-XK-Z11-S	XK-Z11-S		
888-XK-Z11-S-W	XK-Z11-S-W		
888-XK-Z11-S-WA	XK-Z11-S-WA		

DIGI INTERNATIONAL Embedded Modules



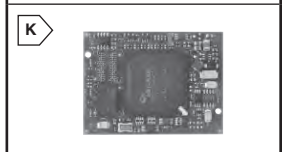
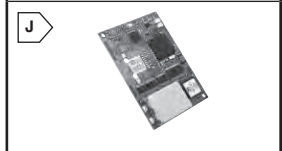
Products may be RoHS compliant. Check mouser.com for RoHS status.

DIGI CONNECT ME® FAMILY WIRED AND WIRELESS EMBEDDED MODULES

The industry's first interchangeable secure wired and wireless embedded modules with plug-and-play functionality and comprehensive development tools make it easy to add embedded web-enabled wired and wireless network connectivity. Based on a unique common platform design approach, the Digi Connect® ME and Digi Connect® Wi-ME embedded modules offer complete "drop-in" integration. This allows you to build future-proof products based on a single design supporting secure wired 10/100Base-T and 802.11b wireless Ethernet connectivity. The family of Digi Connect® embedded modules makes all of this possible without the traditional complexities of hardware and software integration work, and at a fraction of the time and cost required to create custom solutions.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Fig.	Description	Price Each	
				1	5
Digi Connect ME®					
860-DC-ME-01T-JT	DC-ME-01T-JT	A	Customizable module with JTAG interface (2M-byte Flash memory)		-
860-DC-ME4-01T-JT	DC-ME4-01T-JT	A	Customizable module with JTAG interface (4M-byte Flash Memory)		-
860-DC-ME-01T-C	DC-ME-01T-C	A	Module with 8MB SDRAM, 2MB Flash, customizable single pack		-
860-DC-ME-01T-S	DC-ME-01T-S	A	Module with 8MB SDRAM, 2MB Flash, Standard firmware; single pack		-
860-DC-ME-01T-S-10	DC-ME-01T-S-10	A	Module with 8MB SDRAM, 2MB Flash, Standard firmware, 10-pack		-
860-DC-ME4-01T-S	DC-ME4-01T-S	B	Module with 8MB SDRAM, 4MB Flash, Standard firmware; single pack		-
860-DC-ME4-01T-C	DC-ME4-01T-C	B	Module with 8MB SDRAM, 4MB Flash, Customizable; single pack		-
860-DC-ME4-01T-C-10	DC-ME4-01T-C-10	B	Module with 8MB SDRAM, 4MB Flash, Customizable, 10-pack		-
Digi Connect ME 9210					
860-DC-ME-Y401-JT	DC-ME-Y401-JT	C	9210 with 8MB SDRAM, 2MB Flash with JTAG connector		-
860-DC-ME-Y402-JT	DC-ME-Y402-JT	C	9210 with 8MB SDRAM, 4MB Flash with JTAG connector		-
860-DC-ME-Y401-C	DC-ME-Y401-C	C	9210 with 8MB SDRAM, 2MB Flash		-
860-DC-ME-Y402-C	DC-ME-Y402-C	C	9210 with 8MB SDRAM, 4MB Flash		-
860-DC-ME-Y402-LX	DC-ME-Y402-LX	C	9210 with 8MB SDRAM, 4MB Flash for Linux		-
860-DC-ME-9210-LX	DC-ME-9210-LX	C	9210 with Digi Embedded Linux		-



DIGI CONNECT WI-ME™

The Digi Connect Wi-ME (Wireless Micro Embedded) is a fully customizable and secure 802.11b wireless device server. It is based on the common platform design approach of the Digi Connect family of embedded products, which minimizes design risk and reduces time to market by allowing customers to easily accommodate both wired and wireless network functionality in a single future-proof product design.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Fig.	Description	Price Each	
				1	5
860-DC-WME-01T-JT	DC-WME-01T-JT	D	Customizable module with JTAG interface		-
860-DC-WME-01T-C	DC-WME-01T-C	D	Module with 8MB SDRAM, 4MB Flash, Customizable		-
860-DC-WME-01T-S	DC-WME-01T-S	D	Module with 8MB SDRAM, 4MB Flash, Standard firmware; single pack		-

DIGI CONNECT WI-WAVE

Built on Digi's own 802.11b/g wireless LAN technology, Digi Connect Wi-Wave is the industry's first off-the-shelf WLAN radio card specifically designed to meet the long-term product availability and specific operating temperature requirements of embedded designs and their extended product life cycles.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Fig.	Description	Price Each	
				1	5
860-DC-WWV-1G	DC-WWV-1G	E	Digi ConnectCore Wi-Wave 802.11b/g card		-

DIGI CONNECT EM™

The Digi Connect EM (Embedded Module) device server delivers true Web-enabled device networking that is easy and cost-effective to implement, while being powerful enough to meet future performance needs. Built on leading 32-bit ARM technology using the network-attached NetSilicon NS7520 microprocessor and featuring a wide variety of connectivity options, the Digi Connect EM provides the freedom and flexibility of complete custom product development.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Fig.	Description	Price Each	
				1	5
860-DC-EM-02T-C	DC-EM-02T-C	F	Module with 8MB SDRAM, 4MB Flash, Customizable		-
860-DC-EM-02T-S	DC-EM-02T-S	F	Module with 8MB SDRAM, 4MB Flash, Standard firmware		-
860-DC-EM-02T-NC	DC-EM-02T-NC	F	Module with 8MB SDRAM, 4MB Flash, Customizable; no connector		-

DIGI CONNECT WI-EM™

The Digi Connect Wi-EM (Wireless Embedded Module) device server is a fully customizable and secure 802.11b wireless embedded module that provides integration flexibility in a variety of connection options.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Fig.	Description	Price Each	
				1	5
860-DC-WEM-02T-JT	DC-WEM-02T-JT	G	Customizable module with JTAG interface		-
860-DC-WEM-02T-S	DC-WEM-02T-S	G	Module with 8MB SDRAM, 4MB Flash, Standard firmware; single pack		-

DIGI CONNECT SP® MODULE

The Digi Connect SP (Single Port) device server is the ideal platform for your custom web-enabled and network-enabled embedded applications. Combining Digi and NetSilicon technology, it eliminates the hardware design effort and delivers a true device networking.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Fig.	Description	Price Each	
				1	5
860-DC-SP-01-C	DC-SP-01-C	H	Adapter Customizable model		-

CONNECTCORE 9P 9215

The ConnectCore 9P 9215 module delivers a powerful, secure, and compact network-enabled 150MHz NS9215 processor solution with ARM9 core, a rich set of peripherals and unique interface flexibility. With leading features like an on-chip AES encryption engine, two independent and fully programmable flexible interface modules and Digi's patented dynamic power management options, it is the ideal solution for today's networked embedded applications. ConnectCore Wi-9P 9215 is the industry's first 802.11a/b/g embedded core module for secure wireless networking and integrated application processing. The ConnectCore Wi-9P 9215 is pre-certified for 802.11a/b/g networking by the FCC in North America and other regulatory organizations in Europe and Japan. The ConnectCore Wi-9P 9215 features two Flexible Interface Modules (FIMs) built into Digi's ARM9 microprocessor that allow customers to use application-specific interfaces such as Secure Digital, Controller Area Network (CAN), 1-Wire, additional UARTs and others.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Fig.	Description	Price Each	
				1	5
Digi ConnectCore 9P 9215					
860-CC-9P-V502-C	CC-9P-V502-C	I	Module with 8MB SDRAM, 4MB Flash		-
860-CC-9P-V524-LX	CC-9P-V524-LX	I	Module with 32MB SDRAM, 16MB Flash, 25 pack For Linux only no NET+OS Support		-
Digi ConnectCore Wi-9P 9215					
860-CC-W9P-V502-C	CC-W9P-V502-C	J	Module with 8MB SDRAM, 4MB Flash		-

DIGI CONNECTCORE 9P 9360

Compact High-Performance ARM9 Core Module 32-bit NET+ARM core module combines performance, peripheral options and design integration flexibility with complete embedded software platform support.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Fig.	Description	Price Each	
				1	5
860-CC-9P-T225-Z1	CC-9P-T225-Z1	K	Module 32MB SDRAM, 32MB Flash, 177MHz Replaces FS-3031		-

DIGI INTERNATIONAL External Device Servers

Products may be RoHS compliant. Check mouser.com for RoHS status.

DIGI ONE® SP

Efficient RS-232/422/485 serial-to-Ethernet connectivity for applications requiring simple and cost-effective data communications.

- Cost-effective serial-to-Ethernet connectivity
- 1 RS-232/422/485 switch selectable DB-9 serial port
- Compact form factor – only 3.7in. (9.4cm) in length

The Digi One SP device server easily allows any device with a serial port to be connected to Ethernet. The compact design of the Digi One SP delivers cost-effective performance and capability in one of the smallest form factors available. The Digi One SP delivers efficient serial-to-Ethernet connectivity and is ideal for applications where TCP Socket, UDP Socket, or UDP multicast functionality is needed.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-70001851	70001851	Digi One SP	
860-70001999	70001999	Digi One SP IA with Din Rail Kit	

DIGI PORTSERVER® TS

Standard multiport RS-232/422/485 serial-to-Ethernet connectivity that is ideal for applications requiring low port count and seamless integration into existing application.

- Standard, reliable serial-to-Ethernet connectivity
- 1/2/4 ports; RS-232 RJ-45 serial
- 9-30VDC power supply
- Easy configuration using installation CD

PortServer TS delivers standard serial-to-Ethernet connectivity simply and reliably. It easily addresses the growing need to connect individual devices to the network over industry standard Ethernet in many applications.

PortServer TS is ideal for applications requiring COM ports or where TCP/UDP Sockets, or UDP multicast functionality is required. It includes Digi's patented RealPort® COM port redirector technology which makes it possible to establish a connection between the host and networked serial device by creating a local COM or TTY port on the host computer, allowing existing software applications to work without modification.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-70002041	70002041	Digi PortServer TS 1 (1 Port)	

DIGI PORTSERVER® TS W MEI

Universal, high-performance RS-232/422/485 serial-to-wireless connectivity. Advanced features include WEP (64- and 128-bit), SSH, easy management and many more.

- Easily connect serial devices to a wireless 802.11b wireless Ethernet network
- Switch selectable RS-232/422/485 serial RJ-45
- WEP encryption (64-/128-bit)
- 1/2/4 port models available

The PortServer TS W MEI family of device servers makes it easy to network-enable serial devices to a wireless 802.11b infrastructure. Users will appreciate the new external antenna and hidden wireless card offered by the versatile one-, two-, and four-port solutions.

PortServer TS W MEI also delivers easy installation through an auto-run wizard on the CD for Microsoft® and UNIX® platforms, RS-232/422/485 serial ports for connectivity to almost any serial interface, and many advanced networking features.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-70001954	70001954	Digi PortServer TS 1W MEI (1 Port)	

DIGI ONE® IA

The Digi One IA device server delivers easy and reliable serial-to-Ethernet and Modbus-to-Modbus/TCP connectivity solutions for industrial automation applications

- Switch selectable RS-232/422/485 for use with virtually any device with a serial port
- Extended input voltage of 9-30VDC with screw terminal connections
- 32°F to 140°F (0°C to 60°C) operating temperature to meet the demands of the factory floor
- An industrial strength, ergonomic enclosure designed to mount vertically on a standard 35mm DIN rail, saving valuable cabinet space
- Industry-leading low latency to meet the strict data throughput requirements for CNC/DNC equipment and other applications



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-70001862	70001862	Digi One IA	

DIGI CONNECT® WI-SP

The industry's first secure 802.11b wireless device server delivers leading network-to-serial connectivity and strong WPA2/802.11i security.

- Compact design with integrated mounting tabs
- Switch selectable RS-232/422/485 interface
- Enterprise-class WPA2/802.11i wireless security
- Product integration and customization flexibility

The Digi Connect Wi-SP is the industry's first wireless device server providing enterprise-class wireless security through a complete set of strong encryption and authentication services, which are compliant with the WPA2 and 802.11i standards.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-DC-WSP-01-S	DC-WSP-01-S	Digi Connect Wi-SP	

DIGI PORTSERVER® TS MEI

Universal, high-performance device servers for RS-232/422/485 serial-to-Ethernet connectivity. Advanced features include SSH v2, SNMP, PPP, port buffering and many more.

- Standard, reliable serial-to-Ethernet connectivity
- 1/2/4 serial port models available
- Switch selectable RS-232/422/485 RJ-45 serial

PortServer TS MEI (Multi-Electrical Interface, RS-232/422/485) makes it easy to connect any serial device to your network. Available in 1, 2 and 4 port models, it combines the inherent benefits of data networking with proven asynchronous connectivity to deliver powerful, yet simple Ethernet connectivity for all your serial devices.

PortServer TS MEI delivers universal and powerful features including data security via SSH v2, port buffering, and full SNMP management, making it ideal for applications like console management where device management and monitoring are critical.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-70001805	70001805	Digi PortServer TS 1MEI (1 Port)	

DIGI PORTSERVER® TS M MEI MODEM

Device server with internal modem provides both IP networking and standard phone line dial-up connectivity for remote access to RS-232/422/485 serial devices.

- Device server with internal modem
- Modem connection can act as backup during network failure
- Access remote devices and IP networks via internal modem

The new PortServer TS M MEI family offers Ethernet and RS-232/422/485 serial connections, with the addition of an internal modem. The one-and three-port device servers are ideal for applications requiring both IP networking and standard phone line dial-up connectivity for remote access to serial devices.

The embedded modem adds another level of flexibility to the PortServer TS line. It allows remote hosts to dial in to a serial device attached to a device server, as well as the serial device to dial out to a remote location using a standard phone line. The modem helps to create a PPP connection so that applications and devices can communicate via an IP network, even when the primary LAN or WAN is not available.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-70001898	70001898	Digi PortServer TS 1M MEI (1 Port)	

DIGI PORTSERVER® TS P MEI

Designed for universal, high-performance RS-232/422/485 serial-to-Ethernet where traditional power alternatives such as powered Ethernet and powered serial are required.

- Supports powered Ethernet and powered serial
- One, two or four RS-232/422/485 ports

The PortServer TS P MEI family makes it easy to connect RS-232/422/485 serial devices to an IP network. By supporting versatile powering options like powered Ethernet and powered serial, PortServer TS P MEI can adapt to many applications where traditional power alternatives are required.

PortServer TS P MEI delivers universal, high performance multiport serial-to-Ethernet connectivity. It is ideal for applications requiring COM ports, serial tunneling, or where TCP/UDP Socket functionality is needed.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-70001988	70001988	Digi PortServer TS 1P MEI (1 Port)	

DIGI EASYPower™

The Digi EasyPower family provides simple, safe and efficient device power over existing LAN data cabling (Ethernet). It is ideal for applications where power outlets are not available at the optimal device location.

- Provides simple, safe and efficient device power over Ethernet
- 1/6 power and data ports
- IEEE 802.3af compliant

The Digi EasyPower provides one or six data/Ethernet ports for connecting powered Ethernet devices to the corporate hub/switch. The Digi EasyPower has two ports for each device. One port provides power and can transmit/receive data to the powered Ethernet device. The second port connects to the corporate hub/switch for Ethernet connectivity.

The Digi EasyPower makes powering device servers easy and cost-effective. There is no need to provide separate power supplies for the Digi One® IAP, PortServer® TS P MEI family and Digi Connect® 50. The Digi EasyPower is fully compatible with the IEEE 802.3af standard.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-76000660	76000660	EasyPower Powered Ethernet Hub	

DLP DESIGN USB Interface Products



This product is RoHS compliant.



"Add USB to your next project—it's easier than you might think!"

DLP Design's USB Interface products provide a high-speed, hot-swappable, user-friendly connection between your electronic device and a host PC. The USB interface will provide up to 500mA at 5 volts of power for your electronics. These boards make the extremely complex USB Interface easy for just about anyone to start using, without requiring any in-depth prior knowledge.

DUAL CHANNEL USB ADAPTERS

626-DLP2232M-G

The DLP-2232M uses FTDI's FT232C 3RD generation Dual Channel USB-FIFO/UART and offers a simple solution for interfacing ASIC/MCU/FPGA/DSP based designs to a host computer via USB. Each channel can be configured for either USB-UART or USB-FIFO via the on-board setup EEPROM. Rev 3 silicon from FTDI. No in-depth knowledge of USB required!

626-DLP2232ML-G

Same functional design as the DLP-2232M, the DLP-2232ML is perfect for space constrained designs.

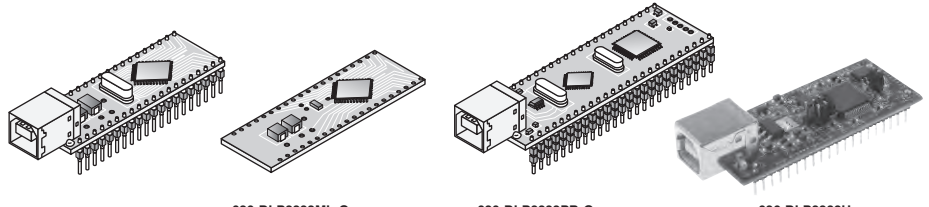
- Dual channel, each can be configured for USB-FIFO or USB-UART
- Up to 8 megabit per second data rate
- USB 1.1/2.0 Compatible

626-DLP2232PB-G/626-DLP2232PB-CCS

The DLP-2232PB uses FTDI's 3RD generation FT232C USB IC and a PIC Microchip 16F877A to form a rapid prototyping development tool. On-board firmware uploader included - no device programmer required!

626-DLP-2232H

The DLP-2232H is DLP Design's premier USB-to-UART/FIFO interface module based on FTDI's 5th generation USB 2.0 High Speed (480Mb/s) silicon. The DLP-2232H is manufactured in a lead-free, RoHS-compliant, compact 40-pin, 0.1-inch spaced standard 0.6 inch wide DIP footprint.



626-DLP2232M-G

626-DLP2232ML-G

626-DLP2232PB-G

626-DLP2232H

Embedded Modules

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	DLP Part No.	Price Each		
		1	50	100
626-DLP-2232M-G	DLP-2232M-G			
626-DLP-2232ML-G	DLP-2232ML-G			
626-DLP-2232PB-G	DLP-2232PB-G			
626-DLP-2232H	DLP-2232H			

USB ADAPTER BOARDS

DLP-USB245M-G

- Add USB connectivity to your next project
- Up to 8 megabit per second data rate
- USB 1.1 compliant
- Simple FIFO interface to MCU, FPGA, CPU, etc.
- Rev 2 silicon from FTDI
- No in-depth knowledge of USB required
- RoHS Compliant

The DLP-USB245M USB-FIFO adapter offers a simple straight-forward solution for interfacing ASIC or MCU based designs to USB. It comes complete with royalty-free drivers for most common operating systems. Features include an easy to use FIFO-like interface, a data transfer rate of up to 8 megabits per second and a standard .6 inch, 24-pin DIP footprint.

DLP-USB232M-G

- Easily convert legacy RS-232 devices to USB
- Up to 3 megabaud data rate
- USB 1.1 compliant
- Full handshaking and modem interface signals
- Rev 2 silicon from FTDI
- No in-depth knowledge of USB required
- RoHS Compliant

The DLP-USB232M USB-UART Adapter PCB is the ideal solution for upgrading legacy RS232 designs to USB. It comes complete with royalty-free drivers for most common operating systems. Features include data transfer rates of up to 3 million baud, a full set of modem handshaking controls and a standard .6 inch, 24-pin DIP footprint.

626-DLP-USB232R

The DLP-USB232R is DLP Design's smallest USB-to-serial UART interface module, and it utilizes the popular FT232R IC with the FTDIChip-ID™ feature from FTDI. In addition to enabling standard USB-to-serial designs, both asynchronous and synchronous bit-bang interface modes are available.

626-DLP-USB1232H

The DLP-USB1232H is DLP Design's premier USB-to-UART/FIFO interface module based upon FTDI's fifth-generation USB 2.0 High Speed (480Mb/s) silicon. The DLP-USB1232H is available in a lead-free, RoHS-compliant, compact, 18-pin, 0.1-inch spaced standard DIP footprint.



626-DLP-USB232M-G



626-DLP-USB245M-G



626-DLP-USB1232H



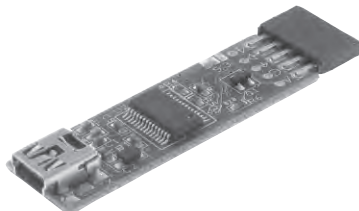
626-DLP-USB232R

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	DLP Part No.	Description	Package	Price Each		
				1	50	100
626-DLP-USB245M-G	DLP-USB245M-G	DLP-USB245M USB-FIFO Adapter PCB	DIP-24			
626-DLP-USB232M-G	DLP-USB232M-G	DLP-USB232M USB-UART Adapter PCB	DIP-24			
626-DLP-USB1232H	DLP-USB1232H	DLP-USB1232 USB to UART/FIFO Adapter PCB	DIP-18			
626-DLP-USB232R	DLP-USB232R	DLP-USB232R USB to UART Adapter PCB	DIP-18			

USB TO SERIAL ADAPTER

This USB-to-serial adapter is designed to easily connect a microcontroller/DSP/FPGA/etc to a host PC or upgrade a legacy RS232 device to USB with minimal design effort. Virtual Com Port (VCP) drivers are provided royalty-free that make the DLP-TXRX look like a standard Windows/Linux/Mac RS232 port to the users host program. An attractive quantity discount structure makes this module suitable for incorporation into low- and medium-volume finished products.

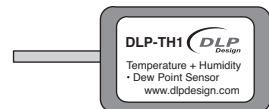
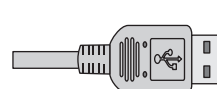


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	DLP Part No.	Price Each	
		1	100
626-DLP-TXRX-G	DLP-TXRX-G		

DLP-TH1 TEMPERATURE AND HUMIDITY SENSOR

The DLP-TH1 is shipped with Windows 98/ME/2000/XP compatible software and USB drivers. Additionally, the most recent versions of the application software and USB drivers for the DLP-TH1 are available as a free download from www.dlpdesign.com/usb/th1.html.



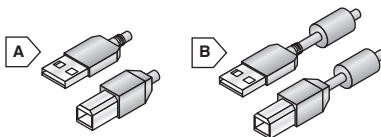
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	DLP Part No.	Description	Price Each			
			1	25	100	100
626-DLP-TH1B	DLP-TH1-B	Temperature and Humidity Sensor				

USB CABLES

Features:

- UL2725 Cable
- 100% Open, short & mis-wire tested
- RoHS Compliant



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig	Color	Length (in.)	Description	Price Each			
					1	25	100	500
172-1024-E	A	Black	1.8M (71)	USB A male to USB B male				
172-1027-E	B	Black	1.5M (59)	Filtered USB A male to USB B male				

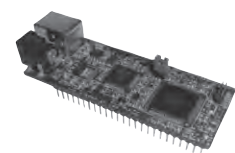
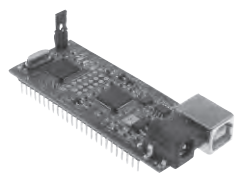
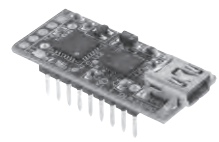
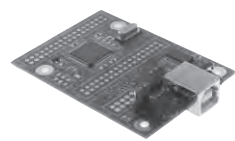
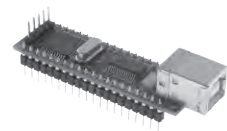
DLP DESIGN USB Interface Products



RoHS Compliant
"Add USB to your next project - it's easier than you think!"

DLP Design's USB Interface products provide a high-speed, hot-swappable, user-friendly connection between your electronic device and a host PC. The USB interface will provide up to 500mA at 5 volts of power for your electronics. These boards make the extremely complex USB Interface easy for just about anyone to start using, without requiring any in-depth prior knowledge.

USB MICROCONTROLLER DEVELOPMENT BOARDS

<p>DLP-2232H-PSOC5</p> <ul style="list-style-type: none"> Cypress CY8C5588 Programmable System-on-Chip (PSoC[®] 5) containing: <ul style="list-style-type: none"> 32-bit ARM Cortex-M3 CPU Core Up to 67MHz Operation 256KBytes Flash Program Memory 64KBytes SRAM Memory Internal Non-Volatile Configuration Memory for All Programmable Features One Configurable Delta-Sigma ADC with 8- to 20-Bit Resolution Two Configurable SAR ADC's with 8- to 12-bit Resolution Four 8-bit DAC's Configurable for Current or Voltage Mode Operation Four Comparators and Four OpAmps Four Configurable Multifunction Analog Blocks 24 Programmable Logic Device (PLD-Based) Universal Digital Blocks (UDB) 	 <ul style="list-style-type: none"> High-Speed USB 2.0 Interface Featuring FTDI FT232H Silicon- Both Parallel and Serial Interfaces are Supported 40 User I/O Channels plus 2 Output/Dedicated Peripheral Usage Pins USB Port Powered or 5V External Power Barrel Jack USB 1.1- and 2.0-Compatible Interface Small Footprint: 3.0 x 1.2-inch PCB and Standard 50-Pin, 0.9-inch DIP Interface
<p>DLP-2232MSP</p> <p>The DLP-2232MSP combines the same USB interface used in the DLP-2232H and the DLP-1232H modules with a Texas Instruments microcontroller to form a rapid development tool. The MSP430F2618 microcontroller is preprogrammed with basic functionality for accessing the port pins and can be reprogrammed with user firmware via a 10-pin header using a device programmer (purchased separately).</p> 	<p>DLP-232PC</p> <ul style="list-style-type: none"> Single byte commands to all functions Designed to fit into a standard 18 pin, 0.3-inch wide DIP footprint providing 14 I/O channels PIC18F2410 Microcontroller can be reprogrammed with user firmware Microcontroller communicates with host PC at up to 460,800 baud data rate USB 1.1/2.0 Compatible Rev 3 silicon from FTDI No in-depth knowledge of USB required <p>Measuring in at only 1.375x0.6 inches, this new module is our lowest cost and smallest USB to Microcontroller module to date. The DLP-232PC uses single byte commands and FTDI's Virtual COM Port (VCP) drivers to provide an easy to use USB interface to a PIC 18F2410 microcontroller. Features include 14 I/O channels (8 can be used for analog inputs measuring 0-5 volts), a standard 0.3 inch wide DIP footprint and preprogrammed firmware for easy access to the I/Os and external digital temperature sensors (purchased separately).</p> 
<p>DLP-245PL-G</p> <ul style="list-style-type: none"> Simple USB-FIFO interface to PIC Microchip 18F8722 microcontroller 50 I/O pins (including A/D inputs) plus 8-bit data bus Example source code provided for Token firmware feature Up to 2 megabit per second data rate to host computer USB 1.1/2.0 compatible Rev 2 silicon from FTDI No in-depth knowledge of USB required RoHS Compliant <p>The DLP-245PL is a powerful integrated module based on the DLP-USB245M USB-FIFO adapter coupled with a PIC 18F8722 MPU and royalty free USB drivers. The 18F8722 microcontroller is preprogrammed with basic functionality for accessing the port pins and can be reprogrammed with user hex code via a 5-pin header that is compatible with Microchip's MPLAB ICD2 device programmer/debugger (purchased separately). Refer to the datasheet for full details.</p> 	<p>DLP-245PB-G</p> <ul style="list-style-type: none"> Simple USB-FIFO interface to PIC Microchip 16F877A microcontroller Plugs into a standard 40-pin, 0.6in. wide DIP socket Example source code provided for Token firmware feature Up to 2 megabit per second data rate to host computer USB 1.1/2.0 Compatible Rev 2 silicon from FTDI No in-depth knowledge of USB required <p>The DLP-245PB-G is a powerful integrated module based on the DLP-USB245M USB-FIFO adapter coupled with a PIC 16F877 MPU and royalty free USB drivers. It plugs into a standard 40 pin 0.6in wide DIP socket and is ideal for rapid prototyping and development of USB / PIC based designs. Token I/O code pre-programmed into the 16F877's ROM for basic port pin input/output capability including access to the A/D, EEPROM, and external digital temperature sensors. The 16F877's Flash ROM can be easily erased and reprogrammed if required using the optional DLP-Flash Programmer. Refer to the datasheet for full details.</p> 

MOUSER STOCK NO.	DLP Part No.	Description	Price Each		
			1	10	25
626-DLP-2232H-PSOC5	DLP-2232H-PSOC5	CY8C5588 Programmable System-on-Chip Module			
626-DLP-2232MSP	DLP-2232MSP	DLP-2232MSP MSP430F2618 Microcontroller module			
626-DLP-2232MSPF	DLP-2232MSPF	USB Interface Microcontroller Module			
626-DLP-232PC	DLP-232PC	DLP-232PC USB to PIC18F2410 Microcontroller Module			
626-DLP-245PL-G	DLP-245PL-G	DLP-245PL USB/Microcontroller PCB			
626-DLP-245PB-G	DLP-245PB-G	USB to PIC16F877A Microcontroller Module			

MAVRK DEVELOPMENT KIT MODULES

The DLP-MAV-LCD1 combines a 2x16 character LCD module with a 5 switch joystick. Demonstration firmware that runs on the MAVRK main processor will be made available for developers wishing to incorporate this module into their project. The firmware will adhere to the communications requirements imposed by the MAVRK main processor and is completely compatible with the MAVRK (purchased separately) platform.

MOUSER STOCK NO.	DLP Part No.	Description	Price Each
626-DLP-MAV-LCD1	DLP-MAV-LCD1	Module for Texas Instruments MAVRK Development Platform: 2x16 LCD Module with a 5 switch joystick	

FPGA MODULES

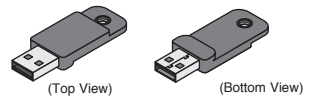
- Features:**
- Micron 32M x 8 DDR2 SDRAM Memory
 - Built-In Configuration Loader; Writes the Bit File Directly to SPI Flash via High-Speed USB 2.0 Interface
 - 63 User I/O Channels: 24 Differential Pairs and 8 Global Clocks
 - 66MHz Oscillator
 - 133MHz DDR2 Interface Reference Design Provided
 - USB Port Powered or 5V External Power Barrel Jack
 - USB 1.1 and 2.0 Compatible Interface
 - Small Footprint: 3.0 x 1.2-inch PCB and Standard 50-Pin, 0.9-inch DIP Interface

MOUSER STOCK NO.	DLP Part No.	Description	Price Each
626-DLP-HS-FPGA2	DLP-HS-FPGA2	Xilinx XC3S400A-4FTG256C FPGA Prototyping Module	
626-DLP-HS-FPGA3	DLP-HS-FPGA3	Xilinx XC3S1400A-4FTG256C FPGA Prototyping Module	

DLP-D USB BASED SECURITY DONGLE

The DLP-D Security Dongle is pre-programmed with a unique identification number (Serial Number) that is readable over USB but cannot be altered by any means. Since each serial number is unique, this device provides a way of linking application software to a specific hardware dongle with a high level of security.

- Features:**
- Hard-coded, unique serial number
 - USB 1.1 and 2.0 compatible interface
 - Small size; easily fits on key chain
 - 3rd-Party support for application development
- Applications:**
- Access control
 - Copy protection



MOUSER STOCK NO.	DLP Part No.	Description	Price Each
626-DLP-D-G	DLP-D-G	USB Security Dongle	

USB DATA ACQUISITION BOARDS

Schematics available on-line. USB 1.1 Compliant. The onboard PIC12F629 microcontroller can be reprogrammed with user code (requires programmer). Drivers and test applications can be downloaded from the website



MOUSER STOCK NO.	DLP Part No.	Fig.	Description	Price Each		
				1	10	25
626-DLP-TEMP-G	DLP-TEMP-G	A	2 - Channel			
626-DLP-IO14	DLP-IO14	B	14 Channels, ±5V Input Range, USB Powered			
626-DLP-IO20	DLP-IO20	C	20 - Channel			

FTDI USB Interface Products

RoHS Compliant This product is RoHS compliant.



FTDI USB-UART and USB INTERFACE IC'S

FTDI X-CHIP SERIES IC'S - Full Speed USB IC Devices (FT200X, FT201X, FT220X, FT221X, FT230X, FT231X, FT240X):

Made up of 13 different package options, the X-Chip series complements FTDI's existing FT-R and FT-H offerings. The series supports a broad selection of interface types such as basic UART, full UART, FIFO and I²C, as well as FTDI's proprietary FT1248 I/O (including provisions for enhanced SPI). Devices in this series are capable of data rates of up to 3.4 Mbits/s, while maintaining low power consumption, <8mA (typical) when fully active and <125uA (typical) while in suspend mode. In addition, this series can detect a charging port and cause logic to switch from data transfer to charging mode. As with all FTDI IC's these devices are offered with a range of Royalty free FTDI developed drivers for 32 and 64-bit OS including Windows (2000, XP, VISTA, 7), Linux, Mac OS, Android and WinCE.

FTDI FT232 - Full Speed USB to Serial UART IC Devices:

The FT232 USB to UART device includes an internal 3V3 regulator and USB Transceiver that provides USB 1.1/2.0 full speed physical interface. The UART will operate from 300Baud to 3MBaud. The FT232RL/RQ also include an internal EEPROM and clock circuitry plus the FTDI Chip-ID security mode. The devices are offered with a range of Royalty free FTDI developed drivers for 32 and 64 bit OS including Windows (2000, XP, VISTA, 7), Linux, Mac OS, Android and WinCE.

FTDI FT2232D - Full Speed Dual UART/FIFO IC Devices:

The FT2232D device features two multi-purpose UART/FIFO controllers which can be configured individually in several different modes. As well as a UART interface, a FIFO interface and the Bit-Bang IO mode of the FT232 and FT245 devices, the FT2232D offers a variety of additional new modes of operation including a Multi-Protocol Synchronous Serial Engine (MP SSE) interface which is designed specifically for synchronous serial protocols such as I²C, JTAG and SPI bus. The FT2232H has an extended temperature range (-40°C to +85°C) and adds CPU FIFO mode.

FTDI Hi-Speed Single/Dual/Quad USB IC Devices (FT232H, FT2232H, FT4232H):

FTDI's Hi-Speed IC's are USB 2.0 Hi-Speed devices operating at 480Mbps. In addition to the standard UART mode, each of these devices supports FTDI's bit-bang modes and contains our multi-protocol synchronous serial engine(s) (MP SSEs) to allow communication using JTAG, I²C and SPI protocols. The FT2232H and FT232H also include standard FIFO and the FT232H supports FTDI's FT1248 mode.



PRODUCT NEW

FT-X Series

For quantities greater than listed, call for quote.

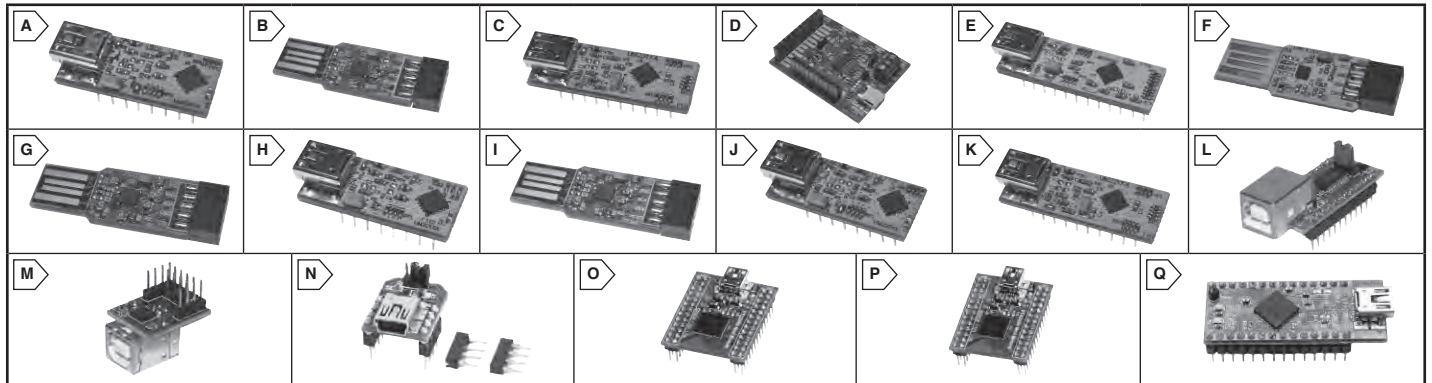
MOUSER STOCK NO.	FTDI Part No.	Description	Price Each		
			1	25	100
895-FT230XS-R	FT230XS	USB to Basic Serial UART IC, 16 Pin SSOP			
895-FT230XQ-R	FT230XQ	USB to Basic Serial UART IC, 16 Pin QFN			
895-FT231XS-R	FT231XS	USB to Full Serial UART IC, 20 Pin SSOP			
895-FT231XQ-R	FT231XQ	USB to Full Serial UART IC, 20 Pin QFN			
895-FT240XS-R	FT240XS	USB to Parallel FIFO IC, 24 Pin SSOP			
895-FT240XQ-R	FT240XQ	USB to Parallel FIFO IC, 24 Pin QFN			
895-FT200XD-R	FT200XD	USB to I ² C IC, 10 Pin DFN			
895-FT201XS-R	FT201XS	USB to I ² C IC, 16 Pin SSOP			
895-FT201XQ-R	FT201XQ	USB to I ² C IC, 16 Pin QFN			
895-FT220XS-R	FT220XS	USB to 4-bit SPI/FT1248 IC, 16 Pin SSOP			
895-FT220XQ-R	FT220XQ	USB to 4-bit SPI/FT1248 IC, 16 Pin QFN			
895-FT221XS-R	FT221XS	USB to 8-bit SPI/FT1248 IC, 20 Pin SSOP			
895-FT221XQ-R	FT221XQ	USB to 8-bit SPI/FT1248 IC, 20 Pin QFN			

FT Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FTDI Part No.	Description	Price Each			
			1	10	50	100
895-FT232RL	FT232RL	USB to Serial UART IC, 28 Pin SSOP				
895-FT232RQ	FT232RQ	USB to Serial UART IC, 32 Pin QFN				
895-FT232BL	FT232BL	USB to Serial UART IC, 32 Pin LQFP				
895-FT232BQ	FT232BQ	USB to Serial UART IC, 32 Pin QFN				
895-FT245RL	FT245RL	USB to Parallel FIFO IC, 28 Pin SSOP				
895-FT245RQ	FT245RQ	USB to Parallel FIFO IC, 32 Pin QFN				
895-FT245BL	FT245BL	USB to Parallel FIFO IC, 32 Pin LQFP				
895-FT2232D	FT2232D	USB to Dual UART/FIFO IC, 48 Pin LQFP				
895-FT2232HL	FT2232HL	USB Hi-Speed to Dual UART/FIFO/SPI/JTAG/I ² C IC, 64 Pin LQFP				
895-FT2232HQ	FT2232HQ	USB Hi-Speed to Dual UART/FIFO/SPI/JTAG/I ² C IC, 64 Pin QFN				
895-FT4232HL	FT4232HL	USB Hi-Speed to Quad UART/SPI/JTAG/I ² C IC, 64 Pin LQFP				
895-FT4232HQ	FT4232HQ	USB Hi-Speed to Quad UART/SPI/JTAG/I ² C IC, 64 Pin QFN				
895-FT232HL-REEL	FT232HL	USB Hi-Speed to UART/FIFO/SPI/JTAG/I ² C/FT1248 IC, 48 Pin LQFP				
895-FT232HQ-REEL	FT232HQ	USB Hi-Speed to UART/FIFO/SPI/JTAG/I ² C/FT1248 IC, 48 Pin QFN				

FTDI USB INTERFACE BASED MODULES



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FTDI Part No.	Fig.	Description	Price Each			
				1	10	50	100
895-UMFT230XA-01	UMFT230XA-01	A	USB to Basic UART Development Module for FT230X				
895-UMFT230XB-01	UMFT230XB-01	B	USB to Basic UART Breakout Module for FT230X				
895-UMFT231XA-01	UMFT231XA-01	C	USB to Full UART Development Module for FT231X				
895-UMFT231XC-01	UMFT231XC-01	D	USB to Full UART + Battery Charger Detection Development Module, FT231X				
895-UMFT240XA-01	UMFT240XA-01	E	USB to Parallel FIFO Development Module for FT240X				
895-UMFT200XD-01	UMFT200XD-01	F	USB to I ² C Breakout Module for FT200XD				
895-UMFT201XB-01	UMFT201XB-01	G	USB to I ² C Breakout Module for FT201X				
895-UMFT201XA-01	UMFT201XA-01	H	USB to I ² C Development Module for FT201X				
895-UMFT220XB-01	UMFT220XB-01	I	USB to 4-bit SPI/FT1248 Breakout Module for FT220X				
895-UMFT220XA-01	UMFT220XA-01	J	USB to 4-bit SPI/FT1248 Development Module for FT220X				
895-UMFT221XA-01	UMFT221XA-01	K	USB to 8-bit SPI/FT1248 Development Module for FT220X				
895-EVAL232R	EVAL232R	-	USB to RS232 Evaluation Module for FT232RL				
895-UM232R	UM232R	L	USB to Serial UART Development Module for FT232R				
895-MM232R	MM232R	M	USB to Serial UART Mini Module for FT232R				
895-UB232R	UB232R	N	Mini USB to Serial UART Module with USB Mini Connector for FT232R				
895-UM245R	UM245R	O	USB to Parallel FIFO Development Module for FT245R				
895-FT2232HMINIMOD	FT2232H MINI MOD	L	USB Hi-Speed to 2-Port UART/FIFO/JTAG/SPI/I ² C Eval Module, FT2232H				
895-FT4232HMINIMOD	FT4232H MINI MOD	O	USB Hi-Speed to 4-Port UART/JTAG/SPI/I ² C Eval Module, FT4232H				
895-UM232H	UM232H	P	USB Hi-Speed to UART/FIFO/JTAG/SPI/I ² C/FT1248 Eval Module, FT232H				

FTDI USB Interface Products



Embedded Modules FTDI

FTDI DB9-USB RETROFIT ADAPTERS

The DB9-USB range of modules provide a simple and fast method of migrating existing DB9 based connector UART interfaces to USB 2.0. The modules feature a USB 2.0 mini-B connector within a module which fits a standard 9-pin DB9 connector footprint. The DB9-USB family consist of 6 modules. Two of these operate at RS232 voltage levels while four of them operate at digital voltage levels (a choice of 5V or 3.3V).

MOUSER STOCK NO.	FTDI Part No.	Fig.	Description	Price Each		
				1	10	50
895-DB9-USB-RS232-F	DB9-USB-F	A	USB to RS232 Adapter w/ Electronics to Retrofit a DB9 Female			
895-DB9-USB-RS232-M	DB9-USB-M	A	USB to RS232 Adapter w/ Electronics to Retrofit a DB9 Male			
895-DB9-USB-D3-F	DB9-USB-D3-F	B	USB to 3.3V Level UART Adapter w/ Electronics to Retrofit a DB9 Female			
895-DB9-USB-D3-M	DB9-USB-D3-M	B	USB to 3.3V Level UART Adapter w/ Electronics to Retrofit a DB9 Male			
895-DB9-USB-D5-F	DB9-USB-D5-F	C	USB to 5V Level UART Adapter w/ Electronics to Retrofit a DB9 Female			
895-DB9-USB-D5-M	DB9-USB-D5-M	C	USB to 5V Level UART Adapter w/ Electronics to Retrofit a DB9 Male			

FTDI USB-COM-PLUS MODULES

The USB-COM-PLUS modules provide a simple method of adapting legacy serial devices with RS232, RS422, RS485 interfaces to modern USB ports. The USB-COM-PLUS modules provide either single, dual or quad port options. Single port modules feature a USB 2.0 Full Speed (12Mb/s) interface while all multiport modules feature a USB 2.0 Hi-Speed (480Mb/s) interface. All modules are powered from the USB port. Maximum baud rates for RS232 versions are 1Mbaud and for the RS422/485 versions are 3Mbaud (single channel) and 10Mbaud (multi-channel). The modules operating temperature range is -40°C to +85°C and are CE/FCC approved.

MOUSER STOCK NO.	FTDI Part No.	Fig.	Description	Price Each		
				1	10	50
895-USB-COM232-PLUS1	USB-COM232-PLUS1	D	Full Speed USB to 1-Port RS232 Module, utilizes FT232R IC			
895-USB-COM232-PLUS2	USB-COM232-PLUS2	E	Hi-Speed USB to 2-Port RS232 Module, utilizes FT232H IC			
895-USB-COM232-PLUS4	USB-COM232-PLUS4	F	Hi-Speed USB to 4-Port RS232 Module, utilizes FT4232H IC			
895-USB-COM422-PLUS1	USB-COM422-PLUS1	D	Full Speed USB to 1-Port RS422 Module, utilizes FT232R IC			
895-USB-COM422-PLUS2	USB-COM422-PLUS2	E	Hi-Speed USB to 2-Port RS422 Module, utilizes FT232H IC			
895-USB-COM422-PLUS4	USB-COM422-PLUS4	F	Hi-Speed USB to 4-Port RS422 Module, utilizes FT4232H IC			
895-USB-COM485-PLUS1	USB-COM485-PLUS1	D	Full Speed USB to 1-Port RS485 Module, utilizes FT232R IC			
895-USB-COM485-PLUS2	USB-COM485-PLUS2	E	Hi-Speed USB to 2-Port RS485 Module, utilizes FT232H IC			
895-USB-COM485-PLUS4	USB-COM485-PLUS4	F	Hi-Speed USB to 4-Port RS485 Module, utilizes FT4232H IC			

FTDI FT4232H USB HI-SPEED SERIAL/HUB MODULE

The FT4232H based USB Hi-Speed Serial/Hub Module is a USB interface expansion module targeted at connecting to the FTDI V2DiPx modules to expand the number of interfaces. However, it is not limited to this application. It can also be used as a hub device or an FT4232H evaluation module. The module has a USB 2.0 Hi-Speed hub chip which supports up to three external downstream USB ports: 2 via dual USB connector and 1 via the DIL connector pins.

MOUSER STOCK NO.	FTDI Part No.	Fig.	Description	Price Each
895-FT-MOD-4232HUB	FT-MOD-4232HUB	G	USB Hi-Speed Serial/Hub Module	

FTDI MORPH-IC-II FPGA DEVELOPMENT MODULE

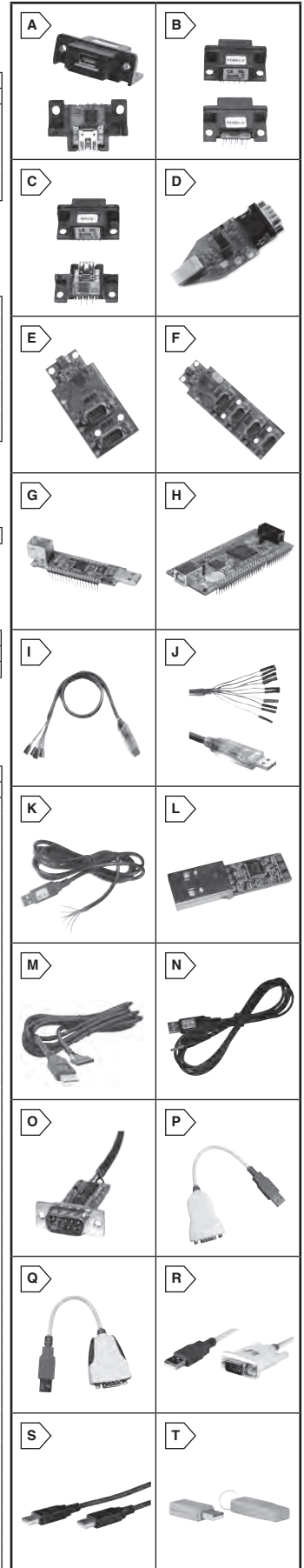
The Morph-IC-II is a USB based FPGA development module featuring the Altera Cyclone-II FPGA with the FTDI FT232H USB to UART/FIFO/JTAG/SPI/I2C converter IC. The module provides integration of Hi-Speed USB capability (480Mbit/s) with an FPGA, to enable ultra-fast software based FPGA configuration/reconfiguration and communication using the FTDI royalty free drivers.

MOUSER STOCK NO.	FTDI Part No.	Fig.	Description	Price Each
895-MORPH-IC-II	MORPH-IC-II	H	USB Hi-Speed FPGA Development Module w/Altera Cyclone-II FPGA & FT232H	

FTDI USB CABLE ASSEMBLIES WITH EMBEDDED ELECTRONICS

FTDI offers a wide range of USB based converter cables offering a variety of connectivity options. Connectivity options include conversion from USB to RS232, RS422, or RS485 and TTL based signalling interfaces. The cables feature integrated electronic assemblies featuring FTDI IC's simple easy-to-use connectivity for many USB conversion applications.

MOUSER STOCK NO.	FTDI Part No.	Fig.	Description	Price Each		
				1	10	50
895-C232HM-DDHSL-0	C232HM-DDHSL-0	I	USB to Hi-Speed SPI/I2C/JTAG Converter Cable - 0.5m, 3.3V w/LEDs			
895-C232HM-EDHSL-0	C232HM-EDHSL-0	I	USB to Hi-Speed SPI/I2C/JTAG Converter Cable - 0.5m, 5V w/LEDs			
895-C232HD-DDHSP-0	C232HD-DDHSP-0	J	USB to Hi-Speed UART Converter Cable - 1.8m, 3.3V w/LEDs			
895-C232HD-EDHSP-0	C232HD-EDHSP-0	J	USB to Hi-Speed UART Converter Cable - 1.8m, 5V w/LEDs			
895-TTL-232RG-VIP-WE	TTL-232RG-VIP-WE	K	USB to UART Cable User Specified Logic Levels, Wire Ended, w/LEDs			
895-TTL232RGVSW3V3WE	TTL-232RG-VSW3V3-WE	K	USB to UART Cable Wire Ended, +3.3V Switched Power@50mA, w/LEDs			
895-TTL-232RGVSW5VWE	TTL-232RG-VSW5V-WE	K	USB to UART Cable Wire Ended, +5V Switched Power@450mA, w/LEDs			
895-TTL232RGVREG1V8W	TTL-232RG-VREG1V8-WE	K	USB to UART Converter Cable Wire Ended, +1.8V TTL, 100mA, w/LEDs			
895-TTL232RGVREG3V3W	TTL-232RG-VREG3V3-WE	K	USB to UART Converter Cable Wire Ended, +3.3V TTL, 250mA, w/LEDs			
895-TTL-232R-3V3-WE	TTL-232R-3V3-WE	K	USB to TTL Serial Converter Cable - Wire Ended, 3.3V IOs			
895-TTL-232R-5V-WE	TTL-232R-5V-WE	K	USB to TTL Serial Converter Cable - Wire Ended, 5V IOs			
895-TTL-232R-3V3-PCB	TTL-232R-3V3-PCB	L	USB to TTL Serial Converter - PCB Assy w/ USB Connector, 3.3V IOs			
895-TTL-232R-5V-PCB	TTL-232R-5V-PCB	L	USB to TTL Serial Converter - PCB Assy w/ USB Connector, 5V IOs			
895-TTL-232R-3V3	TTL-232R-3V3	M	USB to TTL Serial Converter Cable - 3.3V IOs			
895-TTL-232R-5V	TTL-232R-5V	M	USB to TTL Serial Converter Cable - 5V IOs			
895-TTL-232R-3V3-2MM	TTL-232R-3V3-2MM	M	USB to TTL Serial Converter Cable - 8 Pin Header 2mm Pitch, 3.3V IOs			
895-TTL-232R-3V3-AJ	TTL-232R-3V3-AJ	M	USB to TTL Serial Converter Cable - Audio Jack Connector, 3.3V IOs			
895-TTL-232R-5V-AJ	TTL-232R-5V-AJ	N	USB to TTL Serial Converter Cable - Audio Jack Connector, 5V IOs			
895-USBR232WE1800BT	USB-RS232-WE-1800-BT_0.0	K	USB to RS232 Serial Converter Cable - Wire Ended, 1.8m w/LEDs			
895-USBR2321.8BT3.3	USB-RS232-WE-1800-BT_3.3	K	USB to RS232 Serial Converter Cable - Wire Ended, 1.8m, +3.3V, 75mA w/LEDs			
895-USBR2321.8BT5.0	USB-RS232-WE-1800-BT_5.0	K	USB to RS232 Serial Converter Cable - Wire Ended, 1.8m, +5V, 75mA w/LEDs			
895-USBR232WE5BT0.0	USB-RS232-WE-5000-BT_0.0	K	USB to RS232 Serial Converter Cable - Wire Ended, 5m w/LEDs			
895-USBR232WE5BT3.3	USB-RS232-WE-5000-BT_3.3	K	USB to RS232 Serial Converter Cable - Wire Ended, 5m, +3.3V, 75mA w/LEDs			
895-USBR232WE5BT5.0	USB-RS232-WE-5000-BT_5.0	K	USB to RS232 Serial Converter Cable - Wire Ended, 5m, +5V, 75mA w/LEDs			
895-USBR422WE1800BT	USB-RS422-WE-1800-BT	K	USB to RS422 Serial Converter Cable - Wire Ended, 1.8m w/LEDs			
895-USBR422WE5000BT	USB-RS422-WE-5000-BT	K	USB to RS422 Serial Converter Cable - Wire Ended, 5m w/LEDs			
895-USBR485WE1800BT	USB-RS485-WE-1800-BT	K	USB to RS485 Serial Converter Cable - Wire Ended, 1.8m w/LEDs			
895-USBR485WE5000BT	USB-RS485-WE-5000-BT	K	USB to RS485 Serial Converter Cable - Wire Ended, 5m w/LEDs			
895-USB-RS232-PCBA	USB-RS232-PCBA	L	USB to RS232 Serial Converter - PCB Assy w/ USB Connector			
895-USB-RS422-PCBA	USB-RS422-PCBA	L	USB to RS422 Serial Converter - PCB Assy w/ USB Connector			
895-USB-RS485-PCBA	USB-RS485-PCBA	L	USB to RS485 Serial Converter - PCB Assy w/ USB Connector			
895-UC232R-NE	UC232R-NE	O	USB to RS232 Converter Cable, Open PCB - 10cm			
895-CHIPI-X10	CHIPI-X10	P	USB to RS232 Serial Converter Cable - 10cm			
895-UC232R-10	UC232R-10	P	USB to RS232 Serial Converter Cable - 10cm			
895-US232R-10-BLK	US232R-10-BULK	Q	Premium USB to RS232 Converter Cable - 10cm w/LEDs			
895-US232R-100-BLK	US232R-100-BULK	Q	Premium USB to RS232 Converter Cable - 1m w/LEDs			
895-US232R-100-BST	US232R-100-BLISTER	Q	Premium USB to RS232 Converter Cable - 1m w/LEDs & CD			
895-US232R-500-BLK	US232R-500-BULK	Q	Premium USB to RS232 Converter Cable - 5m w/LEDs			
895-UT232R-200-BLK	UT232R-200-BULK	R	USB to RS232 Converter Cable - 2m w/ Thumb Screws			
895-UT232R-500-BLK	UT232R-500-BULK	R	USB to RS232 Converter Cable - 5m w/ Thumb Screws			
895-USB-NMC-2.5M	USB NMC-2.5M	S	USB UART to USB UART Null Modem Cable - 2.5m			
895-USB-KEY	FTDI USB-KEY	T	USB Security Key Device			



GRAVITECH Development Boards



This page of product is RoHS compliant.



ARDUINO DEVELOPMENT BOARDS AND ACCESSORIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Gravitech Part No.	Microcontroller	Clock Speed (MHz)	Digital I/O Pins	Analog I/O Pins	Flash Memory (KB)	Description	Price Each	
								1	25
992-ARD-NANO30	ARD-NANO30	ATmega328P	16	14	8	32	Arduino Nano 3.0		
992-ARD-NANO30NP	ARD-NANO30NP	ATmega328	16	14	8	32	Arduino Nano 3.0 (NO-PIN)		
992-ARD-PRO-3	ARD-PRO-3	ATmega328	8	14	6	32	Arduino Pro - 3.3V		
992-ARD-PRO-5	ARD-PRO-5	ATmega328	8	14	6	32	Arduino Pro - 5V		
992-ARD-PRO-MINI-3	ARD-PRO-MINI-3	ATmega328	8	14	6	32	Arduino Pro Mini - 3.3V		
992-ARD-PRO-MINI-5	ARD-PRO-MINI-5	ATmega328	8	14	6	32	Arduino Pro Mini - 5V		
992-ARD-BOARD	ARD-BOARD	ATmega328	16	13	5	16	Boarduino Kit (USB version)		
992-ARD-SEED	ARD-SEED	ATmega168	16	14	8	16	Seeeduino (Arduino compatible)		

Accessories

992-2MOTOR-4NANO	2MOTOR-4NANO	2MOTOR w/ Feedback Control add-on for Arduino Nano							
992-7SEG-SHIELD	7SEG-SHIELD	7 Segments Display Arduino Shield							
992-ARD-PROGRAMMER	ARD-PROGRAMMER	Arduino LilyPad/Pro/ProMini Programmer							
992-ARD-TERM	ARD-TERM	Terminal Adapter for the Arduino Nano							
992-ETHERNET-4NANO	ETHERNET-4NANO	Ethernet w/ MicroSD add-on for Arduino Nano							
992-MP3-4NANO	MP3-4NANO	MP3 Player add-on for Arduino Nano							
992-USBHOST-4NANO	USBHOST-4NANO	USBHOST add-on for Arduino Nano							
992-XBEE-4NANO	XBEE-4NANO	XBee add-on for Arduino Nano							

ADAPTER BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Gravitech Part No.	Description	Price Each	
			1	25
992-SD-ADP	SD-ADP	3.3V, 250mA, 11-pin, SD/MMC Card Adapter		
992-MICROSD-ADP	MICROSD-ADP	3.3V or 5.0V, 8-pin, MicroSD Card Adapter		
992-XBEE-ADP3	XBee-ADP3	3.3V, XBee Adapter		
992-XBEE-ADP5	XBee-ADP5	5.0V, XBee Adapter		
992-XBEE-USB	XBee-USB	XBee to USB Adapter		

MICRO INTERFACE BOARDS (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Description	Price Each	
				1	25
BusIO Series (Cont.)					
992—MR-BUSIO-DCIN			BusIO DC Input Board		
992—MR-BUSIO-SW			BusIO Push Button Switch Input Board		
992—MRBUSIOPHOTOrelay			BusIO Photo-Relay Board		
992—MR-BUSIO-DCOUT			BusIO DC Output Board		
992—MR-BUSIO-BUZZER			BusIO Buzzer Output Board		
992—MR-BUSIO-ACIN			BusIO AC Input Board		
992—MR-BUSIO-SSRAC			BusIO SSRAC Board		
Mini Series					
992—MR-MINI-4X4KEY			4x4 Matrix Keyboard Board		
992—MR-MINI-7SEG-CA			Mini 7-Segment Common Anode		
992—MR-MINI-7SEG-CC			Mini 7-Segment Common Cathode		
992—MR-MINI12BITDAC			Mini 12-BIT Digital-to-Analog Converter		
992—MR-MINI-AUDIO			Mini Audio Output Board		
992—MR-MINI-DC-MOTOR			Mini DC Motor		
992—MR-MINI-DUALPWR5			Mini +/- 5V Power Supply Board		
992—MR-MINI-DUALPWR12			Mini +/- 12V Power Supply Board		
992—MR-MINI-VL50L0F			Mini +5V <-> +3.3V Level Shifter		
992—MR-MINI-PWR5			Mini +5V Switching Power Supply Board		
992—MR-MINI-RTC			Mini I2C Real Time Clock (RTC)		
992—MR-MINI-STEPMOTOR			Mini Stepping Motor Board		
Debug Series					
992—MR-TEST10P4RELAY			10PIN MRconnect 4-CH Relay Card		
992—MR-TEST10P8DIPSW			10 PIN MRconnect 8-DIP Switch		
992—MR-TEST-10P-8LED			10PIN MRconnect 8-LED		
992—MR-TEST10P8POT			10PIN MRconnect 8-Push Button Switch		
992—MR-TEST10P-8POT			10PIN MRconnect 8-Potentiometer		
992—MR-TEST10PSWLED			10PIN MRconnect 8-Slide Switch		

BREAKOUT BOARDS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Gravitech Part No.	Description	Price Each	
			1	25
992-BNC-TERM	BNC-TERM	BNC 50 Ohm Breakout Board		
992-DB9F-TERM	DB9F-TERM	DB9 Female Breakout Board		
992-DB9M-TERM	DB9M-TERM	DB9 Male Breakout Board		
992-DB15F-VGA-TERM	DB15F-VGA-TERM	DB15 Female Breakout Board		
992-DB25F-TERM	DB25F-TERM	DB25 Female Breakout Board		
992-DB25M-TERM	DB25M-TERM	DB25 Male Breakout Board		
992-FT232RL-BO	FT232RL-BO	FT232RL USB to UART Breakout Board		
992-RJ11-TERM	RJ11-TERM	RJ11 Breakout Board		
992-RJ45-TERM	RJ45-TERM	RJ45 Breakout Board		
992-USB-TERM	USB-TERM	USB Breakout Board		

PICAXE BOARD

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Gravitech Part No.	Description	Price Each	
			1	25
992-MICRO-101	MICRO-101	USB Powered MICRO-101 Kit		

CONVERTER BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Description	Price Each	
				1	25
992—USB-SER			USB to UART Converter		
992—USB-SER-NANO-3V3			Nano Small +3.3V USB to UART Converter		
992—USB-SER-NANO-5			Nano Small +5V USB to RS-232 Converter		
992—RS232-ADP			Serial RS-232 UART Adapter		
992—XBEE-ADP3			XBee Adapter 3.3V		
992—XBEE-ADP5			XBee Adapter 5V		
992—XBEE-USB			XBee to USB Adapter		
992—VS1011-TH			VS1011 MP3 Decoder Module		

MICRO INTERFACE BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Description	Price Each	
				1	25
I2C Series					
992—I2C-16IO			I2C 16-Bit GPIO Expander		
992—I2C-ADC			I2C 12-Bit, 8-CH Analog-To-Digital Converter		
992—I2C-ACC			I2C ±2.0g Dual Axis Accelerometer		
992—I2C-7SEG			I2C 4-DIGIT 7-Segment Display		
992—I2C-DAC			I2C 8-Bit DAC Digital-Analog Converter		
992—I2C-OSC			I2C 1KHZ to 68MHz Programmable Oscillator		
992—I2C-RTC			I2C Real-Time Clock		
992—I2C-TMP			I2C 12-Bit Digital Temperature Sensor		
992—I2C-TRN			Dual Bidirectional I2C Voltage-Level Translator		
BusIO Series					
992—MR-BUSIO-MAIN			BusIO Main Board		
992—MR-BUSIO-RELAY			BusIO Relay Board		

COMPONENTS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Gravitech Part No.	Description	Price Each	
			1	25
Adapters				
992-JACK21-M-TERM	JACK21-M-TERM	2.1mm Power Jack Breakout Adapter - M		
992-JACK21-F-TERM	JACK21-F-TERM	2.1mm Power Barrel Jack Breakout Adapter - F		
Cables				
992-JACK35-TERM	JACK35-TERM	3.5mm Stereo Jack		
992-JST-21MM	JST-21MM	JST to 2.1mm Barrel Jack		
992-JST-RB	JST-RB	JST Red/Black Cable 130mm		
992-USB-21MM	USB-21MM	USB to 2.1mm Power Jack Cable		
Relay				
992-QUICK-RELAY2	QUICK-RELAY2	Quick2 Relay Voltage Current Controller		
Sensors and Switches				
992-PIR-SEN	PIR-SEN	PIR Motion Sensor		
992-BUTT-12-5	BUTT-12-5	Momentary Push Button Switches - 12mm Square 6 colors		
992-JOY-ARC	JOY-ARC	Arcade Joystick - Short Handle		
Sockets				
992-15FX1-254MM	15Fx1-254mm	2.54mm (0.1") 15-pin Female header Arduino Nano Socket		
992-4FX2-254MM	4Fx2-254mm	2.54mm (0.1") 4-pin Dual Row Female Header		
992-20MX2-254MM	20Mx2-254mm	2.54mm (0.1") 20-pin Dual Row Male Header		
992-20MX1RA-254MM	20Mx1RA-254mm	2.54mm (0.1") 20-pin Break Away Male Header Right Angle		
Terminal Block				
992-BB-TERM3	BB-TERM3	3-Position Terminal Block Breakout		



EXPRESS CHIPSETS

Intel Mobile and Desktop Express Chipsets deliver a platform controller hub with extensive I/O support. Intel's platform controller hub (PCH) connects Intel Core series processors with a motherboard via the Flexible Display Interface (FDI) and Direct Media Interface (DMI). The PCH Display Interface integrates the latest display technologies such as HDMI, DisplayPort, Embedded DisplayPort, Intel SDVO, and DVI, along with legacy display technologies.

Desktop

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Intel Part No.	Package	Core Type	Family	Code Name	No. of USB Ports	No. of SATA Ports	No. of I/Os	TDP (Max) (W)	WxL (mm)	Price Each			
											1	25	50	100
607-AC82G41SLGQ3	AC82G41 S LQG3	FCBGA-1466	GMCH	G41	Eaglelake	-	-	-	25	34x34				
607-AC82G45SLB84	AC82G45 S LB84	FCBGA-1254	GMCH	G45	Eaglelake	-	-	-	24	34x34				
607-AC82Q45SLB8A	AC82Q45 S LB8A	FCBGA-1254	GMCH	Q45	Eaglelake	-	-	-	17	34x34				
607-NH82801GRSL8FY	NH82801GR S L8FY	mBGA-652	ICH	82801	ICH7	8	4	10	3.3	31x31				
607-NH82801GBSL8FX	NH82801GB S L8FX	mBGA-652	ICH	82801	ICH7	8	4	12	3.3	31x31				
607-NH82801IRSLA9N	NH82801IR S LA9N	mBGA-676	ICH	82801	ICH9	12	6	18	4.3	31x31				
607-AF82801JIBSLB8R	AF82801JIB S LB8R	mBGA-676	ICH	82801	ICH10	12	6	16	4.5	31x31				
607-AF82801JDOSL8U	AF82801JDO S LG8U	mBGA-676	ICH	82801	ICH10	12	6	16	4.5	31x31				
607-BD3450SLGZY	BD3450 S LGZY	FCBGA-951	PCH	3450	Ibex Peak	14	6	-	5.9	27x27				
607-BD82C216SLJ8H	BD82C216 S LJ8H	FCBGA-942	PCH	C16	Panther Point	14	6	-	6.7	27x27				
607-BD82C206SLJ4G	BD82C206 S LJ4G	FCBGA-942	PCH	C206	Cougar Point	14	6	-	3.9	27x27				
607-BD82H61SLJ4B	BD82H61 S LJ4B	FCBGA-942	PCH	H61	Cougar Point	10	4	-	6.1	27x27				
607-BD82Q67SLJ4D	BD82Q67 S LJ4D	FCBGA-942	PCH	Q67	Cougar Point	14	6	-	6.1	27x27				
607-BD82Q77SLJ83	BD82Q77 S LJ83	FCBGA-942	PCH	Q77	Panther Point	14	6	-	6.7	27x27				

Mobile and Atom

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Intel Part No.	Package	Core Type	Family	Code Name	No. of USB Ports	No. of SATA Ports	No. of I/Os	TDP (Max) (W)	WxL (mm)	Price Each			
											1	25	50	100
607-QG82910GMLESLA9L	QG82910GMLE S LA9L	FCBGA-1257	GMCH	910GMLE	Alviso	-	-	-	10.5	37.5x40				
607-QG82945GMESLA9H	QG82945GME S LA9H	FCBGA-1466	GMCH	945GME	Callistoga	8	-	-	7	37.5x37.5				
607-QG82945GSESLB2R	QG82945GSE S LB2R	FCBGA-998	GMCH	945GSE	Callistoga	-	-	-	6	27x27				
607-AC82GL40SLB95	AC82GL40 S LB95	FCBGA-1329	GMCH	GL40	Cantiga	-	-	-	12	34x34				
607-AC82GM45SLB94	AC82GM45 S LB94	FCBGA-1329	GMCH	GM45	Cantiga	-	-	-	12	34x34				
607-LE82GME965SLJ9Z	LE82GME965 S LJ9Z	FCBGA-1299	GMCH	GME965	Crestline	-	-	-	13.5	35x35				
607-AC82GS45SLB92	AC82GS45 S LB92	FCBGA-1363	GMCH	GS45	Cantiga	-	-	-	12	25x27				
607-NH82801GHMSL8YR	NH82801GHM S L8YR	mBGA-652	ICH	82801	ICH7	8	4	10	3.3	31x31				
607-NH82801GBMSL8YB	NH82801GBM S L8YB	mBGA-652	ICH	82801	ICH7	8	2	10	3.3	31x31				
607-AM82801IUXSLB8N	AM82801IUX S LB8N	uBGA-576	ICH	82801	ICH9	12	4	16	2.5	16x16				
607-AF82801IBMSLB8Q	AF82801IBM S LB8Q	mBGA-676	ICH	82801	ICH9	12	4	16	2.5	31x31				
607-AF82801IEMSLB8P	AF82801IEM S LB8P	mBGA-676	ICH	82801	ICH9	12	4	16	2.5	31x31				
607-NH82801IBSLA9M	NH82801IB S LA9M	mBGA-676	ICH	82801	ICH9	12	4	16	4.3	31x31				
607-NH82801GBMQK65	NH82801GBM Q K65	mBGA-652	ICH	82801	ICH7	8	2	10	3.3	31x31				
607-CS82TPCFSLJ42	CS82TPCF S LJ42	PBGA-376	PCH	EG20T	TopCliff	7	2	-	1.55	23x23				
607-BD82HM55SLGZS	BD82HM55 S LGZS	FCBGA-1071	PCH	HM55	Ibex Peak	14	4	-	3.5	25x27				
607-BD82HM65SLJ4P	BD82HM65 S LJ4P	FCBGA-989	PCH	HM65	Cougar Point	12	6	-	3.9	25x25				
607-BD82HM76SLJ8E	BD82HM76 S LJ8E	FCBGA-989	PCH	HM76	Panther Point	12	6	-	4.1	25x25				
607-CG82NM10	CG82NM10 S LGXX	BGA-360	PCH	NM10	Tiger Point	8	2	-	2.1	17x17				
607-BD82QM57SLGZQ	BD82QM57 S LGZQ	FCBGA-1071	PCH	QM57	Ibex Peak	14	6	-	3.5	25x27				
607-BD82QM67SLJ4M	BD82QM67 S LJ4M	FCBGA-989	PCH	QM67	Cougar Point	14	6	-	3.9	25x25				
607-BD82QM77SLJ8A	BD82QM77 S LJ8A	FCBGA-989	PCH	QM77	Panther Point	14	6	-	4.1	25x25				
607-AF82US15WSLGFQ	AF82US15W S LGFQ	FCBGA-1249	SCH	US15	Poulsbo	8	-	-	2.3	22x22				
607-LE82US15ECSLQQA	LE82US15EC S LQQA	FCBGA-1295	SCH	US15	Poulsbo	8	-	-	2.3	37.5x37.5				
607-LE82US15EESLQ99	LE82US15EE S LQ99	FCBGA-1295	SCH	US15	Poulsbo	8	-	-	2.3	37.5x37.5				

Server

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Intel Part No.	Package	Core Type	Family	Code Name	No. of USB Ports	No. of SATA Ports	No. of I/Os	TDP (Max) (W)	WxL (mm)	Price Each			
											1	25	50	100
607-AC5520SLH3P	AC5520 S LH3P	FCBGA-1295	ICH	5500	Tylersburg	-	-	-	27.1	35.5x35.5				
607-NH82801IRQP03	NH82801IR Q P03	mBGA-676	ICH	82801	ICH9	12	6	18	4.3	31x31				
607-AF82801JIRSLB8S	AF82801JIR S LB8S	mBGA-676	ICH	82801	ICH10	12	6	16	4.5	31x31				
607-QG5000PSL9TP	QG5000P S L9TP	FCBGA-1432	MCH	5000P	Blackford	-	-	-	30	42.5x42.5				
607-BD3420SLH25	BD3420 S LH25	FCBGA-951	PCH	3420	Ibex Peak	12	6	-	5.9	27x27				
607-DH8900CCSLJW2	DH8900CC S LJW2	FCBGA-942	PCH	8900	Cave Creek	6	2	-	8.5	27x27				
607-DH8903CCSLJVZ	DH8903CC S LVZ	FCBGA-942	PCH	8903	Cave Creek	6	2	-	9.5	27x27				
607-DH8910CCSLJVY	DH8910CC S LVY	FCBGA-942	PCH	8910	Cave Creek	6	2	-	11	27x27				
607-DH8920CCSLJVX	DH8920CC S LVX	FCBGA-942	PCH	8920	Cave Creek	6	2	-	12	27x27				
607-BD82C602JSLJNG	BD82C602J S LJNG	FCBGA-901	PCH	C602J	Patsburg	14	6	-	8	27x27				
607-BD82C604SLJKJ	BD82C604 S LJKJ	FCBGA-901	PCH	C604	Patsburg	14	10	-	8	27x27				
607-LE3100MICHSL9PU	LE3100MICH S L9PU	FCBGA-1284	SCH	3100	Whitmore Lake	4	6	-	12.4	40x40				

THUNDERBOLT CONTROLLERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Intel Part No.	Package	No. of I/O Thunderbolt Channels	Interface	No. of Ports	TDP (Max) (W)	Tcase (°C)	Price Each			
								1	50	100	250
607-DSL2210SLJJN	DSL2210 S LJJN	FC-CSP-102	1	PCI	Single	0.7	110				
607-DSL2310SLJ3W	DSL2310 S LJ3W	FC-CSP-192	2	PCI	Single	1.85	110				
607-CV82524EFLSLHAJ	CV82524EFL S LHAJ	FCBGA-220	4	PCI	Dual	3.2	110				
607-CV82524EFLSLHAK	CV82524EFL S LHAK	FCBGA-220	4	PCI	Dual	3.2	110				
607-DSL3510SLJQX	DSL3510L S LJQX	FC-CSP-288	4	PCI	Dual	2.8	110				

Embedded Module

Intel

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INTEL Embedded Modules



This page of product is RoHS compliant.



NEXT UNIT OF COMPUTING (NUC)

Intel NUC is an intelligent device for small spaces or anywhere else you can imagine. A flexible, customizable engine, Intel NUC works for businesses and consumers, driving digital signage such as menus, news, weather, and corporate messaging, as well as powering home entertainment systems.

With either 3rd generation Intel Core processors or Intel Celeron processors on a 4x4-inch motherboard, you'll be amazed that such a tiny device can offer so much power. The only thing more amazing than Intel technology is what you can do with it. This next-generation device is available as a kit or a board that you can customize with the exact features and components you need.



For quantities greater than listed, call for quote.

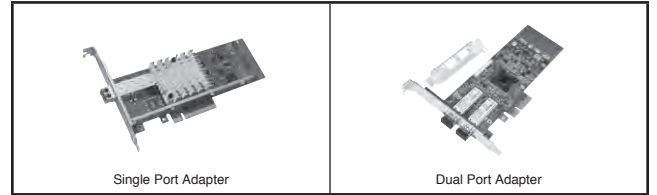
MOUSER STOCK NO.	Intel Part No.	Description	Price Each	
			1	10
Intel® NUC Celeron 847				
607-BOXDCP847DYE	BOXDCP847DYE	QS77 Express, Intel® UCFF, 1.1GHz, Up to 16GB RAM, 64MB 1066/1333MHz DDR-3		
607-BLKDCP847SKE	BLKDCP847SKE	QS77 Express, Intel® P847, UCFF, 1.1GHz, Up to 16GB RAM, 64MB 1333/1600MHz DDR-3 without Enclosure		
Intel® NUC i5 vPRO				
607-BOXDC53427HYE	BOXDC53427HYE	QS77 Express, Intel® 3427U, UCFF, 1.8GHz, Up to 16GB RAM, 32MB 1333/1600MHz DDR-3		
607-BLKDC53427RKE	BLKDC53427RKE	QS77 Express, Intel® 3427U, UCFF, 1.8GHz, Up to 16GB RAM, 32MB 1333/1600MHz DDR-3 without Enclosure		
Intel® NUC i3 vPRO				
607-BOXDC3217IYE	BOXDC3217IYE	QS77 Express, Intel® 3217U, UCFF, 1.8GHz, Up to 16GB RAM, 32MB 1333/1600MHz DDR-3		
607-BOXDC3217BY	BOXDC3217BY	QS77 Express, Intel® 3217U, UCFF, 1.8GHz, Up to 16GB RAM, 64MB 1333/1600MHz DDR-3		
607-BLKD33217GKE	BLKD33217GKE	QS77 Express, Intel® 37217U, UCFF, 1.8GHz, Up to 16GB RAM, 64kB 1333/1600MHz DDR-3 without Enclosure		
607-BLKD33217CK	BLKD33217CK	QS77 Express, Intel® 37217U, UCFF, 1.8GHz, Up to 16GB RAM, 64kB 1333/1600MHz DDR-3 without Enclosure		
WiFi/802.11 Modules				
607-633AN.HMWWB	633AN.HMWWB	Centrino Ultimate-N 6300, Dual Band, 3x3, 450Mbps, 5GHz Half Mini Card		
607-6235AN.HMWWB	6235AN.HMWWB	Centrino Advanced-N 6235, Dual Band, 2x2, 300Mbps, 5GHz Bluetooth		
607-62205AN.HMWWB	62205AN.HMWWB	Centrino Advanced-N 6205, Dual Band, 2x2, 300Mbps, 5GHz Half Mini Card		
607-2230BN.HMWWB	2230BN.HMWWB	Centrino Wireless-N 2230, Single Band, 2x2, 300Mbps, 2.4GHz Bluetooth		

ADAPTERS

Intel's Ethernet Network Adapters Series includes Gigabit and 10 Gigabit server adapters that allow for an easy upgrade of server systems to connections designed to meet the throughput and latency requirements of bandwidth-hungry applications. Gigabit desktop adapters maximize system performance for PCs with PCI Express slots. Intel's Ethernet Converged Network Adapters deliver 10 Gigabit Ethernet on the latest server platforms. PRO/1000 Gigabit Server Adapters bring cost-effective Gigabit performance to desktop or network environments.

Features:

- Intelligent Offloads
- Low Profile and Full Height



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Intel Part No.	Description	Price Each	
			1	10
Server				
607-E10G41BFLR	E10G41BFLR	Intel® X520-LR1, Intel® 82599ES, Single Port, LC Fiber Optic, PCI Express 2.0, 5.0 GT/s, x8 Lane		
607-E10G41BFSR	E10G41BFSR	Intel® X520-SR1, Intel® 82599ES, Single Port, LC Fiber Optic, PCI Express 2.0, 5.0 GT/s, x8 Lane		
607-E10G42AFDA	E10G42AFDA	Intel® 82599EB, Dual Port, SFP+ Direct Attach Copper, PCI Express 2.0, 2.5 GT/s, x8 Lane		
607-E10G42BFSR	E10G42BFSR	Intel® X520-SR2, Intel® 82599ES, Dual Port, LC Fiber Optic, PCI Express 2.0, 5.0 GT/s, x8 Lane		
607-E10G42BT	E10G42BT	Intel® X540-T2, Intel® 82599EB, Dual Port, RJ-45 Copper, PCI Express 2.0, 5.0 GT/s, x8 Lane		
607-E10G42BTDA	E10G42BTDA	Intel® X520-DA2, Intel® 82599ES, Dual Port, SFP+ Direct Attach Copper, PCI Express 2.0, 5.0 GT/s, x8 Lane		
607-E1G42EF	E1G42EF	Intel® 10 Gigabit Multi-Port, Intel® 82576, Dual Port, LC Fiber Optic, PCI Express 2.0, 2.5 GT/s, x4 Lane		
607-E1G42ET	E1G42ET	Intel® 10 Gigabit Multi-Port, Intel® 82576, Dual Port, RJ45, PCI Express 2.0, 2.5 GT/s, x4 Lane		
607-E1G42ETBLK	E1G42ETBLK	Intel® 10 Gigabit Multi-Port, Intel® 82576, Dual Port, RJ45, PCI Express 2.0, 2.5 GT/s, x4 Lane		
607-E1G44ET2	E1G44ET2	Intel® 10 Gigabit Multi-Port, Intel® 82576, Quad Port, RJ45, PCI Express 2.0, 2.5 GT/s, x4 Lane		
607-E1G44ET2BLK	E1G44ET2BLK	Intel® ET2 Gigabit, Multi-Port, 82576, Quad Port, RJ45-Copper, PCI Express 2.0, 2.5 GT/s, x4 Lane		
607-E1G44HF	E1G44HF	Intel® I340-F4 Gigabit, Multi-Port, 82580, Quad Port, RJ45-Copper, PCI Express 2.0, 5.0 GT/s, x4 Lane		
607-E1G44HT	E1G44HT	Intel® 10 Gigabit Multi-Port, Intel® 82580, Quad Port, RJ45-Copper, PCI Express 2.0, 5.0 GT/s, x4 Lane		
607-E1G44HTBLK	E1G44HTBLK	Intel® I340-T4 Gigabit, Multi-Port, 82580, Quad Port, RJ45-Copper, PCI Express 2.0, 5.0 GT/s, x4 Lane		
607-EXPI9400PF	EXPI9400PF	Intel® PRO/1000 PF, Intel® 82572GI, Single-Port, RJ45, PCI Express 1.0a, 2.5 GT/s, x4 Lane		
607-EXPI9400PFBK	EXPI9400PFBK	Intel® PRO/1000 PF, 82572GI, Quad Port, Fiber, PCI Express 1.0a, x4 Lane		
607-EXPI9400PT	EXPI9400PT	Intel® PRO/1000 PT, Intel® 82572GI, Single-Port, Copper, PCI Express 1.0a, 2.5 GT/s, x1 Lane		
607-EXPI9400PTBLK	EXPI9400PTBLK	Intel® PRO/1000 PT, Intel® 82572GI, Single-Port, Copper, PCI Express 1.0a, 2.5 GT/s, x1 Lane		
607-EXPI9402PF	EXPI9402PF	Intel® PRO/1000 PF, Intel® 82571GB, Dual Port, Fiber Optic, PCI Express 1.0a, 2.5 GT/s, x4 Lane		
607-EXPI9402PFBK	EXPI9402PFBK	Intel® PRO/1000 PF, 82571GB, Dual Port, Fiber, PCI Express 1.0a, x4 Lane		
607-EXPI9402PT	EXPI9402PT	Intel® PRO/1000 PT, Intel® 82571GB, Dual Port, Copper, PCI Express 1.0a, 2.5 GT/s, x4 Lane		
607-EXPI9402PTBLK	EXPI9402PTBLK	Intel® PRO/1000 PT, Intel® 82571GB, Dual Port, Copper, PCI Express 1.0a, 2.5 GT/s, x4 Lane		
607-EXPI9404PTL	EXPI9404PTL	Intel® PRO/1000 PT, Intel® 82571GB, Quad Port, Copper, PCI Express 1.0a, 2.5 GT/s, x4 Lane		
607-EXPI9404PTLBLK	EXPI9404PTLBLK	Intel® PRO/1000 PT, 82571GB, Quad Port, Copper, PCI Express 1.0a, x4 Lane		
607-EXPX9502CX4	EXPX9502CX4	Intel® 10 Gigabit CX4, Intel® 82598EB, Dual Port, Copper, PCI Express 2.0, 2.5 GT/s, x8 Lane		
607-I350T2	I350T2	Intel® I350-T2, Dual Port, RJ-45 Copper, PCI Express 2.0, 5.0 GT/s, x4 Lane		
607-I350T2BLK	I350T2BLK	Intel® I350-T2, Dual Port, RJ-45 Copper, PCI Express 2.0, 5.0 GT/s, x4 Lane		
607-I350T4	I350T4	Intel® I350-T4, Quad Port, RJ-45 Copper, PCI Express 2.0, 5.0 GT/s, x4 Lane		
607-PWLA8490MT	PWLA8490MT	Intel® PRO/1000 MT, Intel® 82545GM, Single Port, RJ-45 Copper, PCI Express 32/64-bit		
607-PWLA8492MF	PWLA8492MF	Intel® PRO/1000 MF Gigabit, Dual Port, Fiber, PCI Express 1.0, x4 Lane		
607-PWLA8492MT	PWLA8492MT	Intel® PRO/1000 MT, Intel® 82546GB, Dual Port, RJ-45 Copper, PCI Express 2.2		
607-PWLA8492MTBLK5	PWLA8492MTBLK5	Intel® PRO/1000 MT, Intel® 82546GB, Dual Port, RJ-45 Copper, PCI Express 2.2		
607-PWLA8494GT	PWLA8494GT	Intel® PRO/1000 GT, Quad Port, Copper, PCI Express 1.0, x4 Lane		
607-X540T1	X540T1	Intel® X540-T1, Intel® X540, Single Port, RJ-45 Copper, PCI Express 2.1, 5.0 GT/s, x8 Lane		
607-X540T2	X540T2	Intel® X540-T2, Intel® X540, Dual Port, RJ-45 Copper, PCI Express 2.1, 5.0 GT/s, x8 Lane		
Desktop				
607-EXPI9301CTBLK	EXPI9301CTBLK	Intel® Gigabit CT, Intel® 82574L, Single Port, PCI Express 1.1, 2.5 GT/s, x1 Lane		
607-EXPI9301CT	EXPI9301CT	Intel® Gigabit CT, Intel® 82574L, Single Port, PCI Express 1.1, 2.5 GT/s, x1 Lane		
607-PWLA8391GT	PWLA8391GT	Intel® PRO/1000 GT, Intel® 82541PI, Single Port, RJ45 Copper, PCI 2.3 32-bit 33/66 MHz		
607-PWLA8391GTBLK	PWLA8391GTBLK	Intel® PRO/1000 GT, Intel® 82541PI, Single Port, RJ45 Copper, PCI 2.3 32-bit 33/66 MHz		
607-PWLA8391GTLBLK	PWLA8391GTLBLK	Intel® PRO/1000 GT, Intel® 82541PI, Single Port, RJ45 Copper, PCI 2.3 32-bit 33/66 MHz		
Cables				
607-XDACBL3M	XDACBL3M	For E10G41BFLR, E10G41BFSR, E10G42BFSR, E10G42BTDA, 9.84', 30 AWG, Black, Male SFP+ to Male SFP+		
607-XDACBL1M	XDACBL1M	For E10G41BFLR, E10G41BFSR, E10G42BFSR, E10G42BTDA, 3.28', Black, Male SFP+ to Male SFP+		

Lantronix offers Ethernet and 802.11 wireless networking solutions for end users and manufacturers alike. Their embedded modules enable OEMs to add full Ethernet and/or wireless connectivity to their products so they can be managed over a network or the Internet – at a fraction of the time and expense required to develop an in-house solution. And Lantronix products offer the highest levels of data security available today.

XPICO DEVICE SERVER MODULE

The chip-sized xPico is an extremely compact networking solution that enables Ethernet connectivity on virtually any device with a serial interface. The included Lantronix device server application and full IP stack allow seamless remote access to device data simplifying design integration while providing robust connectivity. As the smallest embedded device server in the world, xPico can be utilized in designs typically intended for chip solutions.

Features:

- Chip-sized footprint: 24mm x 16.5mm
- Complete device server application with full IP stack and web server
- Serial data rate of up to 921Kbps
- Security: 256-bit AES Encryption
- Internal storage capacity: 384KB for web pages

Development Kit Contents:

- xPico Module
- xPico Evaluation Board
- 3.6V-wall-mount power supply AC/DC, 1A
- RS-232, DB9/F, 10ft, null modem cable
- Ethernet cable 10ft



xPico Device Shown

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
515-XPIC100100S-01	XPC100100S-01	xPico Device Server Module - bulk	
515-XPIC100100B-01	XPC100100B-01	xPico Device Server Module - sample	

XPORT® PRO™

The thumb-sized XPort® Pro™ is Lantronix' most powerful, self-contained embedded networking module. Footprint compatible with the popular XPort® and running either Linux or Evolution OS™ operating systems, the XPort Pro eliminates the complexity of designing network connectivity into a product and allows you to deploy advanced applications on the edge device itself.

* XPort® Pro™ Module Sold Separately. ** Sold Separately for Development Kits.



XPort® Pro™ Shown

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
515-XP1002000-02R	XPP1002000-02R	XPort Pro XE Extended Temperature with encryption with Evolution OS	
515-XP100200S-02R	XPP100200S-02R	XPort Pro XE RoHS Extended Temperature with encryption with Evolution OS - Sample	
515-XP10010NMK-01	XP10010NMK-01	XPort Universal Demo Board	
515-930-060-R	930-060-R	P&E Micro-computer systems USB Multilink Debugger	

XPORT®/XPORT® AR - EMBEDDED DEVICE SERVERS

XPort® is the most compact, integrated solution available to web-enable any device with a serial interface. By simply adding XPort to a product design, device manufacturers can now offer Ethernet connectivity as a standard feature within weeks—instantly increasing product value, enhancing end-user experience and facilitating new service delivery options.

XPort® Features:

- Remote command and control of edge devices
- Real-time edge device status via e-mail alerts
- 256-bit AES encryption for secure communications
- EMC/EMI-compliant; RoHS-compliant

XPort® AR Features:

- A fully programmable device computing platform based on corporate IT standards – Cisco®-like CLI, XML, RSS
- Provide robust "data center grade" security, including SSL and SSH, for networked devices
- Offer true IEEE 802.3af compliant pass-through Power over Ethernet (PoE)



XPort® Shown

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
515-XP1001000-04R	XP1001000-04R	XPort - RoHS Extended Temp. Extended Temperature - Xport XE without Encryption	
515-XP1001000M-04R	XP1001000M-04R	XPort XE - with Modbus, RoHS Extended Temp. Extended Temperature, no encryption.	
515-XP1001001-04R	XP1001001-04R	XPort - RoHS Commercial Temp. - XPort XE without encryption.	
515-XP1002000-04R	XP1002000-04R	XPort - RoHS Extended Temp. Extended Temperature - Xport XE with encryption.	
515-XP1002001-04R	XP1002001-04R	XPort - RoHS Commercial Temp. - Xport XE with encryption.	
515-XP100200S-04R	XP100200S-04R	XPort - RoHS Sample Extended Temp. Extended Temperature - Xport SE Sample with encryption.	
515-XP3002000-01R	XP3002000-01R	XPort AR - Ethernet to Serial Embedded Processor Module with SSH Client and Server, SSL, 1024-bit AES (Rijndael), 3DES and RC4 Encryption, Public/Private-keys, and password protection; Extended Temperature	
515-XP300200K-01	XP300200K-01	XPort AR with Evaluation Board, Cables, Power Supply and Software; Commercial Temperature; Encryption	
515-XP300200S-01R	XP300200S-01R	XPort AR - Ethernet to Serial Embedded Processor Module with SSH Client and Server, SSL, 1024-bit AES (Rijndael), 3DES and RC4 Encryption, Public/Private-keys, and password protection; Extended Temperature - Sample Package	

MATCHPORT® AR LINUX SOFTWARE DEVELOPER'S KIT

The MatchPort® AR Linux Software Developer's Kit (SDK) is a highly-integrated embedded hardware and software suite that allows Linux developers to easily create value-added applications on Lantronix' small yet powerful embedded networking module. Built on the stable 2.6 Linux kernel, the SDK includes all the components required for building secure network enabled products using the Linux OS.

* Must be ordered separately for the MPDK1000-LNX-02 kit.

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
515-MPDK1000-LNX-01	MPDK1000-LNX-01	MatchPort AR Linux Development Kit (without BDM Debugger Connector)	
515-MPDK1000-LNX-02	MPDK1000-LNX-02	MatchPort AR Linux Development Kit (with BDM Debugger Connector)	
515-930-060-R	930-060-R	P&E Micro-computer systems USB Multilink Debugger	
515-MPR4002000-01	MPR4002000-01	MatchPort AR with 8MB of Flash with Linux OS, Module	
515-MPR400200S-01	MPR400200S-01	MatchPort AR Module with 8MB of Flash with Linux OS, Sample	



MATCHPORT™ - EMBEDDED WIRED AND WIRELESS DEVICE SERVERS

MatchPort b/g Features:

- Extremely affordable embedded 802.11 b/g wireless networking
- Bulletproof security with IEEE 802.11i-PSK, WPA-PSK, TKIP and optional 256-bit AES end-to-end encryption
- Full TCP/IP stack, web server and Windows deployment software
- Up to 230Kbps data rate
- FCC Class B, UL and EN EMC and safety-compliant

MatchPort® b/g Pro Features:

- Adds WiFi to devices with the highest WPA2/802.11i enterprise-grade security and authentication protocols
- Lantronix SmartRoam™ technology provides seamless mobile connectivity and improved reliability
- Includes full TCP/IP stack, CGI, AJAX web server and Windows deployment software
- Powerful applications customization platform with 32 Bit 159 MIPS (Dhrystone 2.1) Processor, 8MB Flash/6 MB SDRAM
- Built-in Ethernet to wireless bridging

MatchPort AR Features:

- Application-ready, secure SSL/SSH networking module for high-volume applications
- Built-in CGI and AJAX web server
- Pin compatible family includes 802.1 b/g wireless
- Ethernet MAC/PHY; add only RJ45 jack and magnetics to device's PCB

MatchPort NR Features:

- Interface: CMOS (Asynchronous) 3.3V-level signals, rate is software selectable (300 bps to 921,000 bps)
- Serial Line Formats: 7 or 8 data bits, 1-2 Stop bits
- Modem Control: DTR, DCD
- Flow Control: XON/XOFF (software), CTS/RTS (hardware), none



MatchPort b/g Shown

* MatchPort sample must be purchased separately.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Description	Price Each
515-MP1001000G-01	MP b/g Wireless Device Server	
515-MP1002000G-01	MP b/g Wireless Device Server, AES	
515-MP100200SG-01	MP b/g Wireless Device Server, AES, Sample	
515-MPP3002000G-01	MP b/g Pro 802.11 Wireless Device Server	
515-MPP300200SG-01	MP b/g Pro 802.11 Wireless Device Server, Sample	
515-MPR3002000-01	MP AR Embedded Device Server, AES	
515-MPR300200S-01	MP AR Embedded Device Server, AES, Sample	
515-MPR4003000-01	MP AR with 8MB of Flash with Evolution OS	
515-MPR400300S-01	MP AR with 8MB of Flash with Evolution OS, Sample	
515-MP10010NMK-01	MP Universal Demonstration Kit	
515-MPDK1000-01	MP Development Kit	
515-930-033-R	2.4GHz 802.11b/g Antenna	
515-500-180-R-ACC	Antenna cable (6in.) U.FL to R-SMA	
515-500-181-R-ACC	Antenna cable (6in.) U.FL to U.FL	
515-MP5002000-01	MP NR Device Server AES Bulk	
515-MP500200S-01	MP NR Device Server AES Bulk Sample	

LANTRONIX Embedded and External Device Servers LANTRONIX®

Products may be RoHS compliant. Check mouser.com for RoHS status.

PREMIERWAVE EN

PremierWave™ EN delivers a new dimension of WiFi networking with the highest levels of security to virtually any device or electronic product. It provides affordable connectivity in a compact form factor, enabling OEMs to add WiFi or wired Ethernet networking to their products on a single PCB design.

Features:

- 802.11 abgn solution with Dual Band Radio (2.4GHz and 5GHz)
- Linux Operating System with IPV6
- Includes full TCP/IP stack, web server
- Powerful applications customization platform with 32 Bit ARM9 Processor
- Virtual IP (VIP) Access™ for gaining remote connectivity even behind firewalls
- Low power consumption modes
- Robust set of interfaces which include Ethernet, Serial, USB, I2C, and SPI



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
515-PEN100100A-01	PEN100100A-01	PremierWave EN Development Server with Internal Antenna	
515-PEN10010SA-01	PEN10010SA-01	PremierWave EN Development Server with Internal Antenna, Sample	
515-PEN10010NA-01	PEN10010NA-01	PremierWave EN Development Server with out Internal Antenna	
515-PEN10010NASA-01	PEN10010NASA-01	PremierWave EN Development Server with out Internal Antenna, Sample	
515-PWDK1000-01	PWDK1000-01	PremierWave Development Kit (module not included)	
515-PWEV1000-01	PWEV1000-01	PremierWave Evaluation Board (module not included)	

EMBEDDED DEVICE SERVERS

XPort® Direct+™ Features:

- Delivers high-performance Ethernet connectivity and web server capabilities
- Powerful and affordable networking for any device with a serial interface on its microcontroller
- Integrated module with RJ45 and dedicated networking SoC
- Web server, TCP/IP protocol stack and Windows deployment software
- Up to 921Kbps data rate
- Compact low profile (<12mm)
- 2 x 12 pin, 2mm headers
- Three GPIO pins
- RS-232/RS-485 ready
- 256-bit AES encryption for secure communications



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
515-XPD1001000-01	XPD1001000-01	XPort® Direct+™ Device Networking Module, RoHS	
515-XPD100100K-01	XPD100100K-01	XPort® Direct+™ Device Networking Module, Kit	
515-XPDNC2000-01	XPDNC2000-01	XPort® Direct+™ NC Device Networking Module, no RJ45, Jack, RoHS	
515-XPDNC200S-01	XPDNC200S-01	XPort® Direct+™ NC Device Networking Module, no RJ45, Jack, RoHS, Sample	

EXTERNAL DEVICE SERVERS

PREMIERWAVE® XC GSM/GPRS DEVICE SERVER

Lantronix PremierWave® XC GSM/GPRS Device Server is a high performance, multi-port secure device server that offers Ethernet or GSM/GPRS connectivity for remote access and easy management of machines and equipment over the network and across the Internet. This device server provides bullet-proof security by offering a variety of robust data encryption and authentication options.

Features:

- Provide network connectivity to virtually any device with a serial port
- Standard and customizable serial data rates from 300 to 921 Kbps
- Quad-band: 850/900/1800/1900 MHz
- Modes: Software selectable RS-232/422/485
- SSL v3, SSH v2 Client & Server, Supports up to 1024-bit certificates
- Antenna: 2dBi, 50 Ohm, SMA Connector



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
515-PXC2102G2-01	PXC2102G2-01	PremierWave XC GSM/GPRS Secure Device Server, Universal Power Supply	

XSENSO™ ANALOG DEVICE SERVER

xSensio™ is a compact DIN-rail or wall mount solution that enables sensors with analog outputs (voltage or current) to easily and transparently send real-time data to any node on the network or over the Internet.

Features:

- Channels: (2) Differential inputs (screw terminal connections)
- Authentication, up to 256-bit encryption, SSL, SSH
- Dynamic web based monitoring, charting, and data logging
- Email and text message alert notification



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
515-XSO210000-01-S	XSO210000-01-S	xSenso2100 Two analog input device server, input power range 9-30VDC	

UDS/MSS100/EDS1100 - External Device Servers

The UDS single-port and dual port device servers provide a quick, simple and cost-effective way to bring the advantages of data accessibility and remote management to equipment not currently connected to a network. The MSS100 is a fast, easy way to connect virtually any device with a serial port to a network, so it can be managed remotely.



UDS1100 Shown



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
515-PXN210002-01U	PXN210002-01U	PremierWave XN Ethernet and 802.11n Device Server	
515-UD1100001-01	UD1100001-01	UDS1100 1-port Device Server, US Domestic Power 120VAC Power Supply	
515-UD11000P0-01	UD11000P0-01	UDS1100 1-port Device Server, Power over Ethernet, 802.3AF	
515-UD2100001-01	UD2100001-01	UDS2100 two-port 10/100 Device Server, US Domestic 120VAC Power Supply	
515-ACDIN1001-01	ACDIN1001-01	Optional DIN-rail Mount	
515-ED1100002-01	ED1100002-01	1 Port Secure DevSer Global Power Supply	
515-ED1100002-LNX-01	ED1100002-LNX-01	EDS1100 1Port RS232 422/485 Linux SDK	
515-ED2100002-01	ED2100002-01	2 Port Secure DevSer Global Power Supply	
515-ED2100002-LNX-01	ED2100002-LNX-01	EDS2100 2Port RS232 422/485 Linux SDK	

WiBox® - Wireless External Device Servers

WiBox® dual-port device servers enable you to connect serial devices to 802.11b/g wireless networks, quickly and easily. By merging wireless communications and Lantronix device server technology, WiBox simplifies connectivity to devices in applications where mobility is required or cabling is impractical.

Features:

- Enables access to remote devices while minimizing costly cabling
- Provides network mobility for unattended communication
- Two DB9 DTE serial ports supporting RS-232, RS-422 or RS-485 communication
- Compact size enables it to fit almost anywhere
- Industry standard 802.11b/802.11g wireless interface
- Secure wireless communication: IEEE 802.11i-PSK, WPA-PSK, TKIP
- 256-bit AES - end-to-end encryption
- Ethernet-or-wireless bridging



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
515-XPS1001NE-01	xPS1001NE-01	Network Edition xPrintServer - wireless plug-and-print for iOS Devices	
515-WB2100EG1-01	WB2100EG1-01	WBX2100E 802.11b/g with 10/100 Ethernet, 115Vac, 50/60Hz Power Adapter	

Industrial Device Servers

Lantronix offers a full range of industrial-strength external device servers designed for use with manufacturing or assembly equipment such as programmable logic controllers (PLCs), motion controllers, barcode scanners and power monitoring equipment at manufacturing sites, automated distribution centers and refinery plants.



IntelliBox-I/O Shown



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
515-IBIO21002-01	IBIO21002-01	IntelliBox-I/O 2100 - 2 port IA device and I/O server with EventTrak, Worldwide Power Supply with regional adapters	
515-X92000001-01	X92000001-01	XPress-Pro SW 92000 - Hardened -34-74°C 8-Port 10/100TX Ethernet Switch with Din Rail	
515-XSDR22000-01	XSDR22000-01	XPress-DR+ - 2 port industrial device server with dual switched Ethernet ports and industrial protocols	
515-XSDR22W00-01	XSDR22W00-01	XPress-DR+W - 2 port 802.11 wireless Industrial device server, removable screw terminal port, 9-30VDC and 9-24VAC	
515-XSDRSN-02	XSDRSN-02	XPress-DR - Industrial Device Server Standard Part	
515-XSDRIN-02	XSDRIN-02	XPress-DR-IAP - Industrial Device Server with installable industrial protocols	
515-UD1100IA2-01	UD1100IA2-01	UDS1100-IAP - Industrial Automation Protocols, 1 DB25F DCE serial port, software-selectable RS232, RS422 or RS485, internal power supply w/ regional adapters.	

Accessories

515-500-163	500-163	DB25M to DB9F Serial Cable - 6ft.	
515-500-171-R	500-171-R	DB25M to RS485 and Power Input Screw Terminal Adapter	



This product is RoHS compliant.

ENERGY HARVESTING CONDITIONING CIRCUIT

Features:

- Converts the AC output from a piezoelectric energy harvester to a regulated DC output
- Simple and Easy Charge Management for Vibration Energy Harvesting
- Integrates directly with all Vulture™ Energy Harvesters
- Parallel or Series Piezoelectric Connection– Improved Efficiency
- User Selectable DC Output (1.8 V, 2.5 V, 3.3 V, 3.6 V)

Applications:

- Industrial Health Monitoring Network Sensors
- Condition Based Maintenance Sensors
- All Air, Land, and Sea Vehicle Sensors
- Battery and Hard Wired Power Replacement
- Mobile Asset Tracking
- Tire Pressure Sensors
- Oil and Gas Sensors
- Wireless HVAC Sensors

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mide Technology Part No.	Fig.	Input Voltage (Max.) (V)	Input Capacitance (uF)	Output Capacitance (uF)	Quiescent Current UVLO (nA)	Price Each
509-EHE004	EHE004	A	18	200	10	450	

PIEZOELECTRIC VIBRATION ENERGY HARVESTERS WITH VOLTURE™

Features:

- Low Cost
- Robust Packaging

Applications:

- Helicopter
- Oil and Gas
- Building Automation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mide Technology Part No.	Fig.	Capacitance (uF)	Bandwidth (Hz)	Frequency Range (Hz)	No. of Piezos	Price Each
509-V21B	V21B	B	0.004	3	80-205	2	
509-V21BL	V21BL	C	0.004	3	45-155	2	
509-V22B	V22B	D	0.0142	2	120-360	2	
509-V22BL	V22BL	E	0.0142	2	26-110	2	
509-V20W	V20W	F	0.2	3	75-175	2	
509-V25W	V25W	F	0.33	3	60-140	2	

SLAM STICK™ VIBRATION RECORDER

Features:

- Simple and Easy to Use
- Small and Lightweight
- High Speed - 3.2 KHz Sampling Rate
- Rechargeable
- Characterizes Vibration Profile for Energy Harvesting Applications
- Dust Proof Enclosure
- Simple Analysis & Configuration Software (Included)

Applications:

- Industrial Health Monitoring Network Sensors
- Characterizing Energy Harvesting Vibrations
- Equipment Installation Verification
- Vibration Characterization for Damping Purposes
- Equipment Monitoring
- Bearing Monitoring

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mide Technology Part No.	Fig.	Acceleration (Max)	Sampling Rate (kHz)	Max. Recording Time @ 3.2kHz	Operating Temperature (°C)	Price Each
509-VR001	VR001	G	16	3.2	240 sec.	-40 to +85	

PIEZOELECTRIC SENSOR AND ACTUATORS

Features:

- Packaged Piezos
- Robust Packaging
- Easy Connection
- Increased Life-Time
- Hermetically Sealed

Applications:

- Vibration and Strain Sensing
- Passive Vibration/Strain Detection
- Precise Actuation
- Electronics Cooling

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mide Technology Part No.	Fig.	Capacitance (uF)	Full Scale Voltage Range (V)	No. of Piezos	Operating Temperature (°C)	Price Each
Bonded							
509-QP10N	QP10N	H	0.06	±200	1	-40 to +90	
509-QP10NI	QP10NI	I	0.0012	±120	1	-40 to +90	
509-QP16N	QP16N	H	0.137	±120	1	-40 to +90	
509-QP10W	QP10W	J	0.06	±200	1	-40 to +90	
Non-Bonded							
509-QP20N	QP20N	K	0.12	±200	2	-40 to +90	
509-QP20W	QP20W	L	0.2	±200	2	-40 to +90	
509-QP21B	QP21B	M	0.1238	±100	2	-40 to +90	
509-QP22B	QP22B	N	0.0142	±100	2	-40 to +90	

FLEXIBLE CONFORMABLE PIEZOELECTRIC TRANSDUCERS

Features:

- Conformable
- Packaged Piezos
- Easy Connection
- Increased Life-Time
- Hermetically Sealed

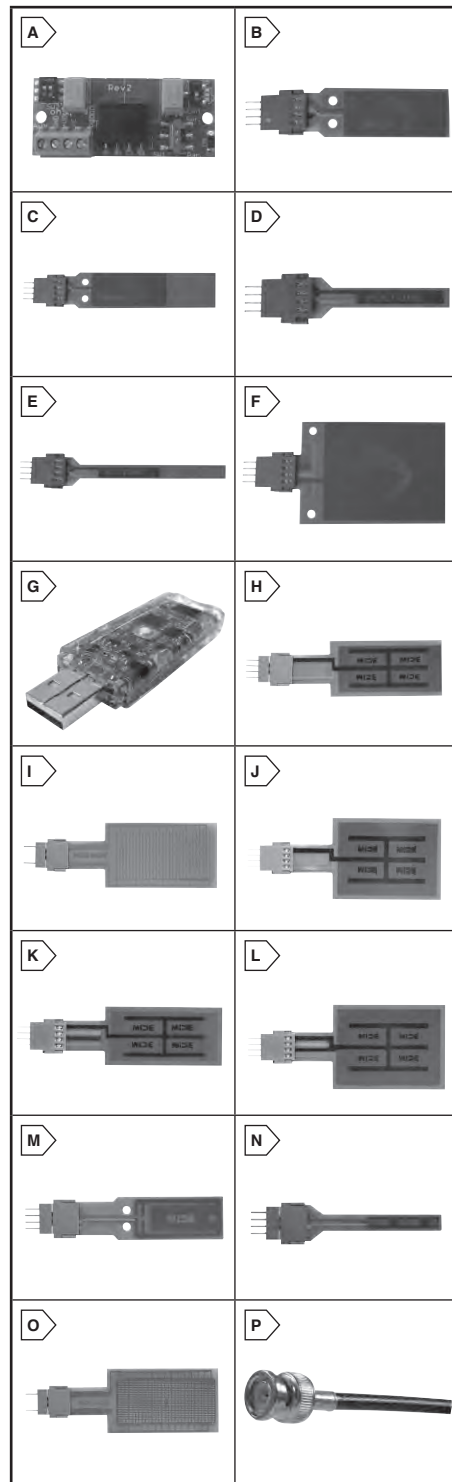
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mide Technology Part No.	Fig.	Capacitance (uF)	Full Scale Voltage Range (V)	No. of Piezos	Operating Temperature (°C)	Price Each
509-PA16N	PA16N	O	0.105	±120	1	-40 to +90	

QUICKPACK CABLES AND KITS

For quantities greater than listed, call for quote.

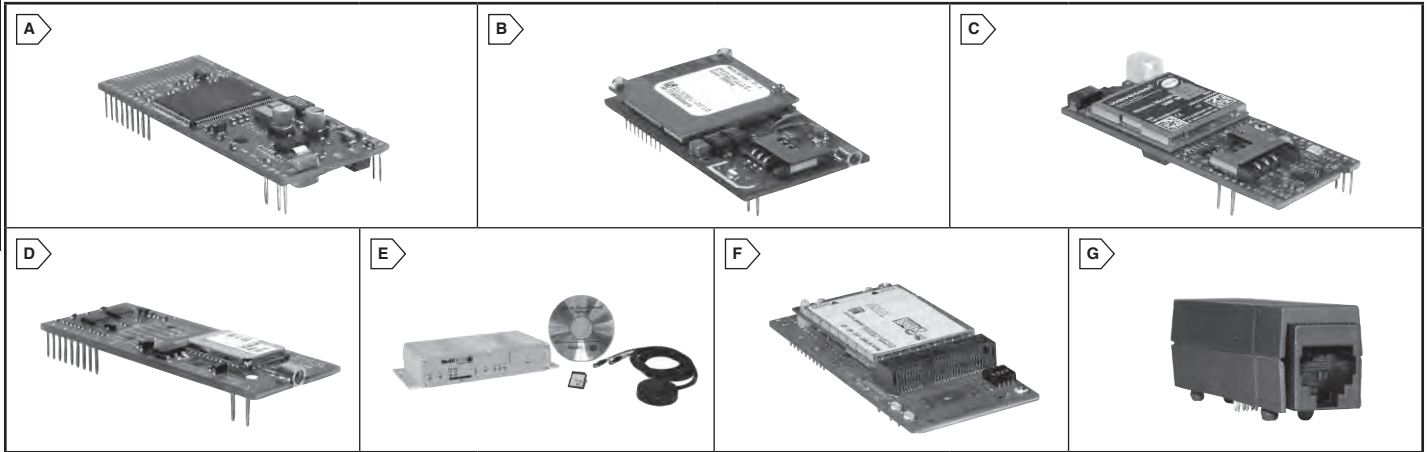
MOUSER STOCK NO.	Mide Technology Part No.	Fig.	Description	Operating Temperature (°C)	Price Each
509-CB-11	CB-11	P	Connects one 2-layer QuickPack actuator for operation in extension (to control vibration of a surface)	QP20W, QP20N	
509-CB-12	CB-12	P	Connects two 2-layer QuickPack actuators for operation in extension, out-of-phase (to control bending moment of structure like a cantilever beam)	QP20W, QP20N	
509-CB-13	CB-13	P	Connects one 2-layer QuickPack actuator for operation in bending (to operate as a bimorph)	QP20W, QP20N	
509-CB-14	CB-14	P	Connects one 1-layer QuickPack actuator for operation in extension (to control vibration of a surface)	QP10W, QP10N	
509-CB-15	CB-15	P	Connects two 1-layer QuickPack actuators for operation in extension, out-of-phase (to control bending moment of structure like a cantilever beam)	QP10W, QP10N	
Kits					
509-CB-16	CB-16	-	Bimorph Accessory Kit with clamp assembly and CB-16 Cable (BNC Term)	QP21B, QP22B	
509-CB-17	CB-17	-	Bimorph Accessory Kit with clamp assembly and CB-17 Cable (Wire Term)	QP21B, QP22B	



MULTI-TECH Universal Sockets and Embedded Modems



Products may be RoHS compliant. Check mouser.com for RoHS status.



UNIVERSAL SOCKET MODULES

Multi-Tech's Universal Socket is a flexible, comm-port architecture that provides cellular, Ethernet, PSTN or Wi-Fi® network access with interchangeable modules.

- Interchangeable socket module
- Quick-to-market
- Global approvals
- 2 Year Warranty
- Easy migration to future networks
- Universal Socket

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Multi-Tech Part No.	Fig.	Description	Voltage (V)	Price Each			
					1	10	25	50
SocketModem® - Analog - Dial-Up								
899-MT2492SMI-22	MT2492SMI-22	A	V.22 Serial/Data Only - Embedded Modem	5				
899-MT2492SMI-L-92	MT2492SMI-L-92	A	V.92 Serial/Data Only - Embedded Modem	3.3				
899-MT9234SMI-92.R1	MT9234SMI-92.R1	A	V.92 Serial Data, V.34 Fax - Embedded Modem	5				
899-MT9234SMI-L-92R1	MT9234SMI-L-92.R1	A	V.92 Serial Data, V.34 Fax - Embedded Modem	3.3				
SocketModem® GPRS/EDGE/CDMA/HSDPA/Cell/Cell - Cellular								
899-MTSMC-E1	MTSMC-E1	B	Embedded Quad Band EDGE Modem Class 12	5				
899-MTSMC-G-F4.R1	MTSMC-G-F4.R1	C	Quad-Band GPRS Class 10 - Embedded Modem	5				
SocketWireless® Device Server								
899-MTS2BTSMI-L.R3	MTS2BTSMI-L.R3	D	Embedded Serial-to-Bluetooth Device Server	3.3				
899-MTS2BTSMI.R3	MTS2BTSMI.R3	D	Embedded Serial-to-Bluetooth Device Server	5				

DEVELOPMENT KITS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Multi-Tech Part No.	Fig.	Description	Price Each
Universal Socket Development Kit (Module Not Included)				
899-MTSMI-UDK	MTSMI-UDK	-	Development Board with RS-232 DB-25 Connector, Universal Power Supply, RJ-11 Jack, RS-232 Cable and Developer Guide CD	
EDGE Modem Developers Kit				
899-MTCDP-E1-DK	MTCDP-E1-DK-0.0	E	DE-9 RS-232 connector, Slot for SD memory flash card, 5 programmable LEDs for application specific use	

SOCKETMODEM® ICELL INTELLIGENT CELLULAR EVDO MODEMS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Multi-Tech Part No.	Fig.	Description	Voltage (V)	Price Each	
					1	10
899-MTSMC-EV2-IPN2SP	MTSMC-EV2-IP-N2-SP	F	EV-DO RevA 5V Serial, Sprint 800/1900MHz	5		
899-MTSMC-EV2-IPN3SP	MTSMC-EV2-IP-N3-SP	F	EV-DO RevA 5V Serial, Verizon 800/1900MHz	5		
899-MTSMCEV2MIIPN2SP	MTSMC-EV2-MI-IP-N2-SP	F	EV-DO RevA 5V Serial+USB Sprint 800/1900MHz	5		
899-MTSMCEV2MIIPN3SP	MTSMC-EV2-MI-IP-N3-SP	F	EV-DO RevA 5V Serial+USB Verizon 800/1900MHz	5		
899-MTSMC-EV2-GPN2SP	MTSMC-EV2-GP-N2-SP	F	EV-DO RevA with GPS Serial, Sprint 800/1900MHz	5		
899-MTSMC-EV2-GPN3SP	MTSMC-EV2-GP-N3-SP	F	EV-DO RevA with GPS Serial, Verizon 800/1900MHz	5		

RJMODEM™

The Multi-Tech Serial Data RJModem creates communication-ready devices by integrating modem functionality into the most compact, integrated device. The first-of-its kind RJ11 form factor includes the controller, data pump, DAA and RJ-11 connector providing device manufacturers with the ability to integrate dial-up connectivity into any product design.

- RJ-11 Form Factor
- Global approvals
- Easy migration to future networks

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Multi-Tech Part No.	Fig.	Description	Voltage (V)	Price Each			
					1	10	25	50
Modems								
899-MT5656RJ-92.R3	MT5656RJ-92.R3	G	Embedded V.92 Data Modem, 56K, Serial Data Only	5				
899-MT5656RJ-L-34.R3	MT5656RJ-L-34.R3	G	Embedded V.34 Data Modem, 33.6K, Serial Data Only	3.3				
RJModem™ Development Kit (RJModem Not Included)								
899-MTRJ-DK	MTRJ-DK	-	RJModem Developer Kit 100-240V	-				

ACCESSORIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Multi-Tech Part No.	Description	Price Each			
			1	25	50	100
899-ANBT-1HRA	ANBT-1HRA	Bluetooth/Wi-Fi Hinged Antenna, Reverse Polarity, 4"				
899-ANCF2-10HRA	ANCF2-10HRA	850/1900 MHz Hinged Antenna 4"				
899-ANF1-1HRA	ANF1-1HRA	900/1800 MHz Hinged Antenna 4"				
899-ANQB-10HRA	ANQB-10HRA	850/900/1800/1900 MHz Hinged Antenna, 7"				
899-CARSMA-MMCX-10	CARSMA-MMCX-10	Reverse SMA-to-MMCX Coax RF Cable 6"				
899-CASMA-MMCX-1	CASMA-MMCX-1	SMA-to-MMCX Coax RF Cable 6"				

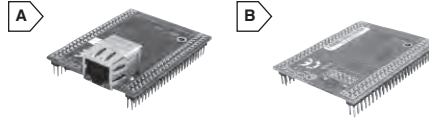
NETBURNER Embedded Modules

Products may be RoHS compliant. Check mouser.com for RoHS status.



32-BIT 10/100 ETHERNET CORE PROCESSOR MODULES

NetBurner core modules allow you to quickly and easily create an embedded product, create a network-enabled product, or add network connectivity to an existing product. These modules can be used as the main processor or as a secondary network co-processor. Features include: 10/100 Ethernet, digital, analog and serial control.



Core Modules

MOUSER STOCK NO.	Netburner Part No.	Fig.	Clock	Flash	RAM	UARTs	GPIO	Timers	Operating Temperature	Price Each			
										1	10	25	50
820-MOD5234-100IR	MOD5234-100IR	A	147MHz	2MB	8MB	3	47	8	-40°C to +85°C				
820-MOD5270-100IR	MOD5270-100IR	A	147MHz	512KB	2MB SD	3	47	8	-40°C to +85°C				
820-MOD5272-100IR	MOD5272-100IR	A	62MHz	2MB	8MB SD	2	22	4	-40°C to +85°C				
820-MOD5282-100IR	MOD5282-100IR	A	66MHz	512KB	8MB SD	3	50	16	-40°C to +85°C				
820-MOD5270-200IR	MOD5270-200IR	B	66MHz	512KB	8MB SD	3	50	16	-40°C to +85°C				

For quantities greater than listed, call for quote.

Development Kit Contents:

- 32-bit Core Processor Module
- Development Board
- CD-ROM
- Network Cables
- Serial Cable
- 12 Volt Power Supply for US/Canada



RoHS Compliant

MOD5270 Development Kit

MOUSER STOCK NO.	Netburner Part No.	Description	Price Each
820-NNDK-MOD5234-KIT	NNDK-MOD5234-KIT	MOD5234 Development Kit	
820-NNDK-MOD5270-KIT	NNDK-MOD5270-KIT	MOD5270 Development Kit	
820-NNDK-MOD5272-KIT	NNDK-MOD5272-KIT	MOD5272 Development Kit	
820-NNDK-MOD5282-KIT	NNDK-MOD5282-KIT	MOD5282 Development Kit	

32 BIT MOD5213 HIGH PERFORMANCE EMBEDDED PROCESSOR MODULE

Process Specifications:

- 32-bit Freescale ColdFire 5213 running at 66MHz

Hardware Specification:

- 32KB SRAM
- 256KB Flash
- MAC Module and HW Divide
- Low-power optimization
- Four 32-bit timer channels with DMA capability
- Four 16-bit timer channels with capture/compare/PWM
- 4-channel 16-bit/8-channel 8-bit PWM generator
- Two periodic interrupt timers (PITs)
- 4-channel DMA controller
- 8-channel 12-bit ADC
- Up to 33 general-purpose I/O
- System integration (PLL, SW watchdog)
- CAN 2.0B controller with 16 message buffers
- Three UARTs with DMA capability

Software Development:

- NetBurner Development Kit includes: Mod5213 Development Board, Real-Time OS, C/C++ Compiler, Integrated Development Environment (IDE), Graphical Debugger, configuration and deployment tools.

Connectors:

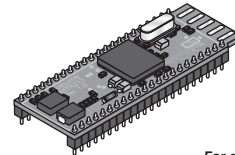
- Two standard single row 20-pin 0.1" headers
- PIN Dimensions: 1.9" x 0.6"

Physical Characteristics:

- Industry Standard 40-pin DIP
- Dimensions: 2.0" x 2.6"

Power Requirements:

- DC Input Voltage: 4V - 7V, or 3.3V Regulated
- Operating current: 120mA Environmental
- Operating Temperature: -40°C ~ +85°C



RoHS Compliant

MOD5213 Module

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Netburner Part No.	Price Each			
		1	10	25	50
820-MOD5213-100IR	MOD5213-100IR				

MOD5213 Development Kit

MOUSER STOCK NO.	Netburner Part No.	Price Each
820-NNDK-MOD5213-KIT	NNDK-MOD5213-KIT	

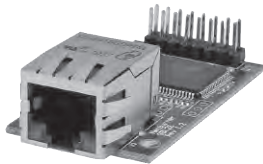
SBL2E SERIAL TO ETHERNET MODULE

Features:

- 32-bit Freescale Coldfire 52236 @ 50MHz
- Two TTL serial ports
- RS-232, RS422/485 ready (require external level shifter)
- Four 12-bit analog to digital inputs
- Up to 10 General Purpose I/O Signals
- 10/100 Ethernet
- Serial to Ethernet over TCP or UDP
- DHCP/Static IP Support
- Baud rates up to 115,200 bps
- Custom serial packetization options
- Hardware and software flow control
- Web Based Configuration

Development Kit Contents:

- SBL2e-200IR
- SBL2e-ADPT-100CR evaluation board



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Netburner Part No.	Description	Price Each			
			1	10	25	50
SBL2e Processor Boards						
820-SBL2E-100IR	SBL2e-100IR	Board with On-board Ethernet Jack				
820-SBL2E-200IR	SBL2e-200IR	Board with 10-pin Ethernet Jack Header				
Development Kits						
820-EVAL-SBL2E-KIT	EVAL-SBL2e-KIT	Evaluation Kit	-	-	-	-
820-NNDK-SBL2E-KIT	NNDK-SBL2e-KIT	Software Development kit	-	-	-	-

SB7X 32-BIT SERIAL-TO-ETHERNET PROCESSOR BOARDS

SB70 Processor Board Features:

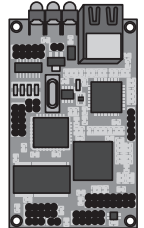
- Processor: 32-bit Freescale ColdFire 5270 with integrated 10/100 Ethernet MAC
- Speed: 145MIPS @ 150MHz
- Network Interface: 10/100BaseT with RJ-45 Jack
- Flash Memory: 512KB
- SDRAM: 2MB
- Power Requirements: 480mA @ 5V
- LEDs: Link, Speed/Data, Power
- Network Protocols: ARP, DHCP, BOOTP, TCP, UDP, ICMP, Telnet, HTTP, SNMP
- Dimensions: 3.25" x 2"

SB72 Processor Board Features:

- Speed: 63MIPS @ 66MHz
- Network Interface: 10/100BaseT with RJ-45 Jack
- Serial Ports Supported: RS-232, RS-422, RS-485, TTL
- Flash Memory: 512KB
- SDRAM: 8MB
- Power Requirements: 480mA @ 5V
- LEDs: Link, Speed/Data, Power
- Network Protocols: ARP, DHCP, BOOTP, TCP, UDP, ICMP, Telnet, HTTP, SNMP
- Dimensions: 3.25" x 2"

Development Kit Contents:

- SBXX Processor Board
- Adapter board to assist in development. It is not required to operate. The adapter board includes a switching power supply, RS-232 level shifters and two DB-9 connectors.
- CD-ROM containing source code, development tools, manuals and documentation
- Cross-wired and straight-through twisted pair network cables
- Serial cable
- 12 VDC power supply (US and Canada only)



RoHS Compliant

SB70 Processor Board

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Netburner Part No.	Price Each			
		1	10	25	50
820-SB70-100CR	SB70-100CR				

SB72 Processor Board

820-SB72-301CR	SB72-301CR				
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SB70 Development Kit

MOUSER STOCK NO.	Netburner Part No.	Price Each
820-NNDK-SB70-KIT	NNDK-SB70-KIT	

MOD72 Development Kit

820-NNDK-SB72-KIT	NNDK-SB72-KIT	
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SB72-EX DUAL PORT SERIAL-TO-ETHERNET EXTERNAL DEVICE

SB72-EX to Network-Enable Existing Applications:

The SB72-EX network-enables serial devices right out of the box. No programming or development is required; the SB72-EX is pre-programmed to convert RS-232, RS-422, RS-485, and TTL data to Ethernet, enabling communication with the serial device over a network or the Internet. The onboard web server provides easy device configuration using a standard web server.

Hardware Specifications:

- 10/100BaseT with RJ-45 connector
- 32-bit Motorola ColdFire 5272 with integrated 10/100 Ethernet
- 2MBytes flash, 8MBytes of SDRAM
- Power: 12V, 500mA
- Operating Temperature: 0°C to 70°C
- Dimensions: 4.2" x 3.0"
- Weight 5 oz
- UL and CUL approvals
- LEDs: Link, Speed/Data, Power
- The 2 UARTS can be configured:
 - Two RS-232 ports
 - One RS-232 port, one RS-485/422 port (full or half duplex)

Network Protocols Supported:

- ARP, DHCP, BOOTP, TCP, UDP, ICMP, Telnet, HTTP, SNMP

Note: additional protocols supported with development kit.

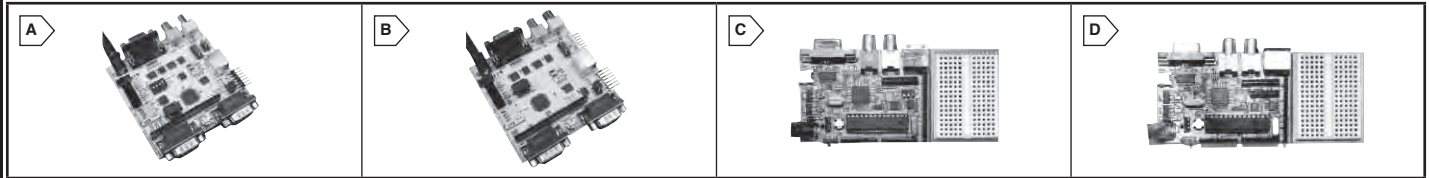


RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Netburner Part No.	Price Each			
		1	10	25	50
820-SB72-EX-100CR	SB72-EX-100CR				

Development Boards



Nurve Networks XGS DEVELOPMENT SYSTEMS

Package includes:

- XGS board completely assembled
- 350+ page printed manual covering hardware, software and numerous programming tutorials
- 9V USA compliant wall adapter power supply
- A/V cable
- XGS game controller
- DB9 PC serial port to XGS header converter
- DVD-ROM with numerous examples and complete driver library including: Graphics, Sound, Keyboard, SD card, Serial Comms, Mechatronics, and lots more

XGS AVR 8-Bit Development System

- Programmer: Atmel AVR ISP MK II programmer + USB cable

MOUSER STOCK NO.	Nurve Networks Part No.	Fig.	Microcontroller	Data Bus Width	Flash (KB)	SDRAM (KB)	Clock Frequency (Max.)	Price Each
915-XGS-AVR	XGS-AVR	A	AVR 644P	8 bit	64	4	20 KHz	

XGS PIC 16-Bit Development System

- Programmer: Microchip Pickit 2 ISP programmer + USB cable

MOUSER STOCK NO.	Nurve Networks Part No.	Fig.	Microcontroller	Data Bus Width	Flash (KB)	SDRAM (KB)	Clock Frequency (Max.)	Price Each
915-XGS-PIC	XGS-PIC	B	PIC24	16 bit	256	16	32 KHz	

Nurve Networks CHAMELEON SYSTEM

The Chameleon is a credit card sized computer with 2 microprocessors.

The Chameleon has numerous I/O interfaces, including composite video for NTSC/PAL generation, VGA, audio out, and PS/2.

The dual processor design of the Chameleon allows for video, audio, and I/O tasks to be offloaded to the Propeller chip via a high speed SPI interface.

Alternatively, both processors can be independently programmed and used.

Package includes:

- Mini solderless breadboard 1.25" x 2" (affixes to right hand side of Chameleon)
- 150+ page electronic manual covering hardware, software, and numerous programming tutorials
- DVD-ROM including all tools, and numerous examples with complete driver

Chameleon AVR 8-Bit System

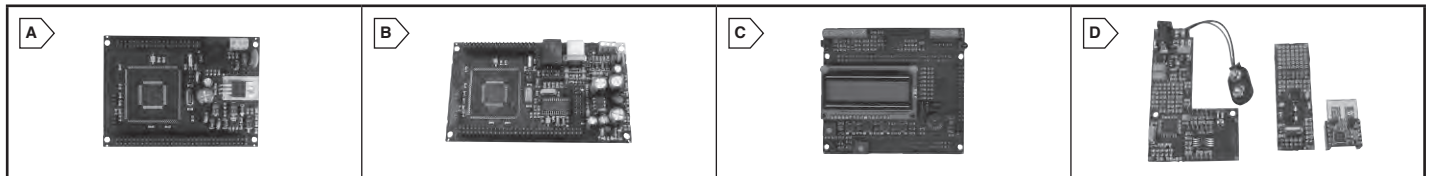
- Chameleon AVR 8-Bit is 100% code compatible with the Arduino board
- Chameleon comes with the Arduino bootloader pre-loaded, so development can be done with the Arduino tool, and programs loaded directly to the Chameleon

MOUSER STOCK NO.	Nurve Networks Part No.	Fig.	Microcontroller (client)	Microcontroller (slave)	Data Bus Width	Flash (MB)	Price Each
915-CHAMELEON-AVR	Chameleon-AVR	C	AVR 328P	Parallax Propeller	8 bit	1	

Chameleon PIC 16-Bit System

- Chameleon PIC 16-Bit system comes pre-loaded with the Microchip bootloader

MOUSER STOCK NO.	Nurve Networks Part No.	Fig.	Microcontroller (client)	Microcontroller (slave)	Data Bus Width	Flash (MB)	Price Each
915-CHAMELEON-PIC	Chameleon-PIC	D	PIC24	Parallax Propeller	16 bit	1	



EVIDENCE[®] FLEX EVALUATION BOARDS

FLEX is an embedded board which can be used by developers who intend to exploit the full potential of the latest Microchip micro-controllers of the dsPIC[®] DSC family

Evaluation Boards

MOUSER STOCK NO.	Evidence Part No.	Fig.	Description	Price Each
923-FLEX001	FLEX001	A	Flex Light Base Board	
923-FLEX003	FLEX003	B	Flex Full Base Board	

Daughter Boards

MOUSER STOCK NO.	Evidence Part No.	Fig.	Description	Price Each
923-FLEX109	FLEX109	C	Demo Daughter Board - adds many commonly used features	

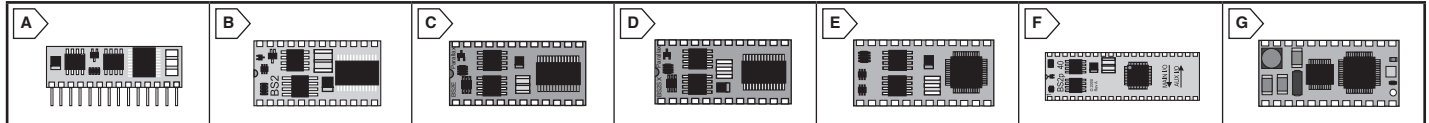
Packs

MOUSER STOCK NO.	Evidence Part No.	Fig.	Description	Price Each
923-FLEX112	FLEX112	-	Demo2 Pack - Serial connections and motor control plug-ins	
923-FLEX113	FLEX113	D	Mini Kit - Zigbee development kit	

Products may be RoHS compliant. Check mouser.com for RoHS status.

BASIC STAMP MODULES

BASIC Stamps are small computers with 8 or 16 I/O lines that can be connected to TTL level devices and also, with a few extra components, solenoids, relays, and RS232 networks. Their simple language and easy interfacing make BASIC Stamp IDEs ideal for many applications for industrial, educational, and hobbyist customers. BASIC Stamps require only editor software, a prototype area, and cable to get started. Each BASIC Stamp has on board it's own non-volatile EEPROM, voltage regulator, resonator, and microcontroller.



• Operating Temperature at 70% Non-Condensing Humidity: 0°C to +70°C † Plus 2 Dedicated Serial I/O Pins For quantities greater than listed, call for quote.

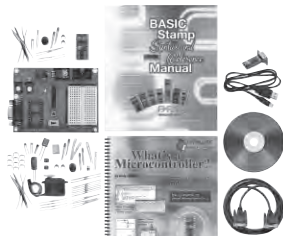
MOUSER STOCK NO.	Parallax Part No.	Fig.	Package	Microcontroller	EEPROM Size (Bytes)	Speed	I/O Pins	PBASIC Commands	Interface (Port)	Operating Voltage	Price Each		
											1	10	25
619-BS1-IC	BS1-IC	A	SIP-14	Microchip PIC16C56c	256	4MHz	8	32	Parallel	5 - 15VDC			
619-BS2-IC	BS2-IC	B	DIP-24	Microchip PIC16C57c	2K	20MHz	16†	36	Serial	5 - 15VDC			
619-BS2E-IC	BS2E-IC	C	DIP-24	Ubicom SX28AC	8 x 2K	20MHz	16†	39	Serial	5 - 12VDC			
619-BS2SX-IC	BS2SX-IC	D	DIP-24	Ubicom SX28AC	8 x 2K	50MHz	16†	39	Serial	5 - 12VDC			
619-BS2P24-IC	BS2P24-IC	E	DIP-24	Ubicom SX48AC	8 x 2K	20MHz Turbo	16†	55	Serial	5 - 12VDC			
619-BS2PX-IC	BS2PX-IC	E	DIP-24	Ubicom SX48AC	8 x 2K	32MHz Turbo	16†	63	Serial	5 - 12VDC			
619-BS2P40-IC	BS2P40-IC	F	DIP-40	Ubicom SX48AC	8 x 2K	20MHz Turbo	32†	55	Serial	5 - 12VDC			
619-JS1-IC	JS1-IC	G	DIP-24	Ubicom SX48BD	32768	25MHz Turbo	16	0 (Java)	Serial	6 - 24VDC (unreg)			

BASIC STAMP DISCOVERY KIT - SERIAL (WITH USB ADAPTER AND CABLE)

Our most popular BASIC Stamp microcontroller is the BS2-IC module. Widely used in education, hobby, and industry, this module has enough program space, execution speed, and I/O pins for many applications. Now featured with the What's a Microcontroller curriculum and parts kit, this Starter Kit has our highest recommendation. The Discovery Kit is an incredible value!

Build over 40 Hands On Projects

With the latest edition of this kit, you will receive the What's a Microcontroller? (WAM) parts and text making the Discovery Kit a bona fide "Getting Started" kit. With the WAM kit you'll get your feet wet through a series of over 40 activities designed to provide you with the best possible introduction to the world of BASIC Stamp modules. The text contains clear explanations, defines electronics terms in a friendly manner, and most importantly builds your confidence so you can start building your own electronics inventions.

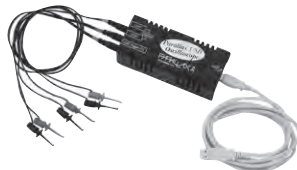


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-EDSTR-KIT	27207	Basic Stamp Discovery Kit Serial with USB Adapter	
619-27807	27807	Basic Stamp Discovery Kit USB	

UNDERSTANDING SIGNALS PARTS AND TEXT/PARALLAX OSCILLOSCOPE

The Understanding Signals Parts and Text Kit adds a 144-page student guide and many electronic components to the Parallax USB Oscilloscope. Learn how to generate, view, and measure a variety of wave forms. Each activity includes a BASIC Stamp®-controlled example circuit and code, directions for configuring the oscilloscope and placing the probes, and screen-captures of the Parallax USB Software interface displaying the signal.



A Board of Education with a BASIC Stamp 2 or a HomeWork Board is needed to run the experiments in this kit.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-28014	28014	Parallax Oscilloscope	

BASIC STAMP ACCESSORIES

Launch yourself into the Accessories Portal and select add on products such as sensors, Application Modules, RF devices, lab tools, and other items to round out your project or application. If you already have a BASIC Stamp® microcontroller or Javelin Stamp™ module and development board, you may now take your project to the next level. There is a wide array of accessories for the BASIC Stamp microcontroller.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-27800	27800	2-Axis JoyStick	
619-27801	27801	5-Position Switch	
619-400-00002	400-00002	Tact Switch	
619-27908	27908	Trackball Module	
619-27922	27922	Gyroscope Module LISY300	
619-27929	27929	CO2 Gas Sensor Module	
619-27931	27931	CO Gas Sensor Module	
619-605-00005	605-00005	Melexis 90217 Sensor Hall-Effect	
619-605-00007	605-00007	CO Gas Sensor	
619-605-00008	605-00008	CH4 Gas Sensor	
619-605-00009	605-00009	LPG Gas Sensor	
619-605-00011	605-00011	Alcohol Gas Sensor C2H5OH	

STAMPWORKS EXPERIMENT KIT

It's easy to get started micro-controlling your world with StampWorks. The StampWorks manual includes 35 experiments based on the BASIC Stamp® 2 microcontroller and the Professional Development Board (included). StampWorks gives you the hardware, the electrical components and, most importantly, the know-how to become a confident embedded programmer. Working your way through StampWorks you will learn about efficient embedded design, connecting circuits and "smart" sensors to the BASIC Stamp, adding computer control to your projects, and "Power PBASIC" programming techniques.

After you've worked your way through StampWorks you'll be able to: flash LEDs, use 7-segment and LCD displays, monitor one or several push-buttons or switches, add sounds and sound effects to your projects, build a simple light-controlled Theremin, control servos and stepper motors, measure temperature, voltage, and so much more! When you are finished, you will be able to write your own BASIC Stamp programs to control your hobby, engineering, and student projects using a variety of electronic circuits - and you'll be able to do it with the confidence.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-27297	27297	StampWorks Experiment Kit	
619-28138	28138	Professional Development Board Serial	

SX TECH TOOL KIT/SX CHIPS/PROGRAMMERS AND PROTO BOARDS

The popular SX Tech Tool Kit is an excellent starting point to get you developing SX projects with Parallax's SX-Key programming tool. Upon receiving the kit, you will be able to program SX chips within the hour. A power supply is not included.

The SX-Key is Parallax's primary development tool for the SX line of microcontrollers, supporting every chip that is commercially available. Using the free SX-Key software, the SX-Key programming tool can program SX chips in-system and perform in-circuit source-level debugging. Also at the user's fingertips is an on-board programmable clock. The frequency output of this clock is adjusted from the software with a slider bar between 400kHz and 100MHz. The software operates on Win98/NT/2K/XP platforms.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-28015	28015	PING))) Ultrasonic Sensor	
619-900-00008	900-00008	Parallax (Futaba) Continuous Rotation Servo	
619-900-00005	900-00005	Parallax (Futaba) Standard Servo	
619-28028	28028	Sensor Sampler Kit	
619-28017	28017	Memsic 2125 Dual-axis Accelerometer	
619-27977	27977	Parallax 2x16 Serial LCD (Backlit)	
619-28031	28031	Parallax USB to Serial (RS-232) Adapter with Cable	
619-27979	27979	Parallax 4x20 Serial LCD (Backlit)	
619-28302	28302	TCS230-DB Color Sensor	
619-28018	28018	Sensiron Temperature/Humidity Sensor	
619-32390	32390	RFID Reader Module and Tag Sampler Kit	
619-555-28027	555-28027	PIR Sensor	
619-29144	29144	HB-25 Motor Controller	

RABBIT Core Modules and Development Kits



Products may be RoHS compliant. Check mouser.com for RoHS status.

RCM2XXX RABBITCORE MICROPROCESSOR MODULES

The RabbitCore family of microprocessor core modules is designed to facilitate rapid development and implementation of embedded systems. The RabbitCore mounts on a user-designed motherboard and acts as the controlling microprocessor for the user's system. Small in size but packed with powerful features, these core modules give designers a complete package for control and communication.

RCM21XX RabbitCore

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each	
									1	50
694-20-101-0434	20-101-0434	A	RCM2100 RabbitCore Module	22.1	512K	512K	34	2-6		
694-20-101-0435	20-101-0435	A	RCM2110 RabbitCore Module	22.1	256K	128K	34	2-6		
694-20-101-0436	20-101-0436	A	RCM2120 RabbitCore Module	22.1	512K	512K	40	2-6		
694-20-101-0446	20-101-0446	A	RCM2130 RabbitCore Module	22.1	256K	128K	40	2-6		

For quantities greater than listed, call for quote.

RCM22XX RabbitCore

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each	
									1	50
694-20-101-0454	20-101-0454	B	RCM2200 RabbitCore Module w/ Ethernet	22.1	256K	128K	26	2-6		
694-20-101-0488	20-101-0488	B	RCM2210 RabbitCore Module w/ Ethernet	22.1	256K	128K	26	2-6		
694-20-101-0494	20-101-0494	B	RCM2250 RabbitCore Module w/ Ethernet	22.1	512K	512K	26	2-6		
694-20-101-0955	20-101-0955	B	RCM2250 RabbitCore Module w/ Ethernet	22.1	512K	512K	26	2-6		

For quantities greater than listed, call for quote.

RCM23XX RabbitCore

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each	
									1	50
694-20-101-0453	20-101-0453	C	RCM2300 RabbitCore Module	22.1	256K	128K	29	2-6		

For quantities greater than listed, call for quote.

RCM3000 AND RCM3010 RABBITCORE

The RCM3000 RabbitCore is our powerful and feature-packed 10Base-T Ethernet microprocessor core module. Powered by the new Rabbit 3000™ - the "EMI-Free microprocessor" - the RCM3000 is the ideal option for designers who want to rapidly develop and implement embedded systems with fully integrated Ethernet connectivity. Measuring only 2.73" x 1.85" (69 x 47mm), the RCM3000 operates at 3.3V (with 5 V-tolerant I/O) and features 6 serial ports. Built-in low-EMI features, including a clock spectrum spreader, help designers eliminate the kind of emissions-related problems that frequently derail tight development schedules.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each	
									1	50
694-20-101-0508	20-101-0508	D	RCM 3010 RabbitCore Module	29.4	256K	128K	52	2-6		

For quantities greater than listed, call for quote.

RCM3000 RabbitCore US Development Kit

MOUSER STOCK NO.	Rabbit Semi Part No.	Description	Price Each

For quantities greater than listed, call for quote.

RCM3200 RABBITCORE MODULES

The RCM3200 RabbitCore microprocessor core module is the ideal option for designers who want to rapidly develop and implement embedded systems with fully integrated 10/100Base-T Ethernet connectivity. Measuring only 2.73" x 1.85" (69 x 47mm), the RCM3200 operates at 3.3V (with 5 V-tolerant I/O), runs at up to 44.2MHz, and features 6 serial ports. Built-in low-EMI features, including a clock spectrum spreader, practically eliminate EMI problems, helping OEMs pass CE and regulatory RF emissions tests.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	Data Flash	GPIO	Serial Ports	Price Each	
										1	50
694-20-101-0520	20-101-0520	E	RCM3200 RabbitCore Module	44.2	512K	512K	256K	52	2-6		

For quantities greater than listed, call for quote.

RCM3305 AND RCM3315 RABBITCORE MODULES

The RCM3305 and RCM3315 microprocessor core modules are an ideal solution for designers who want to rapidly develop serial Flash and 10/100Base-T Ethernet into their embedded application. The RCM3305/3315 offer 4-8 MByte of serial Flash.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	Data Flash	GPIO	Serial Ports	Price Each	
										1	50
694-20-101-1067	20-101-1067	F	RCM3305 RabbitCore Module	44.2	512K	512K	512K	49	2-6		
694-20-101-1068	20-101-1068	F	RCM3315 RabbitCore Module	44.2	512K	512K	512K	49	2-6		

For quantities greater than listed, call for quote.

RCM3305 RabbitCore US Development Kit

MOUSER STOCK NO.	Rabbit Semi Part No.	Description	Price Each

For quantities greater than listed, call for quote.

RCM3365 AND RCM3375 RABBITCORE MODULES

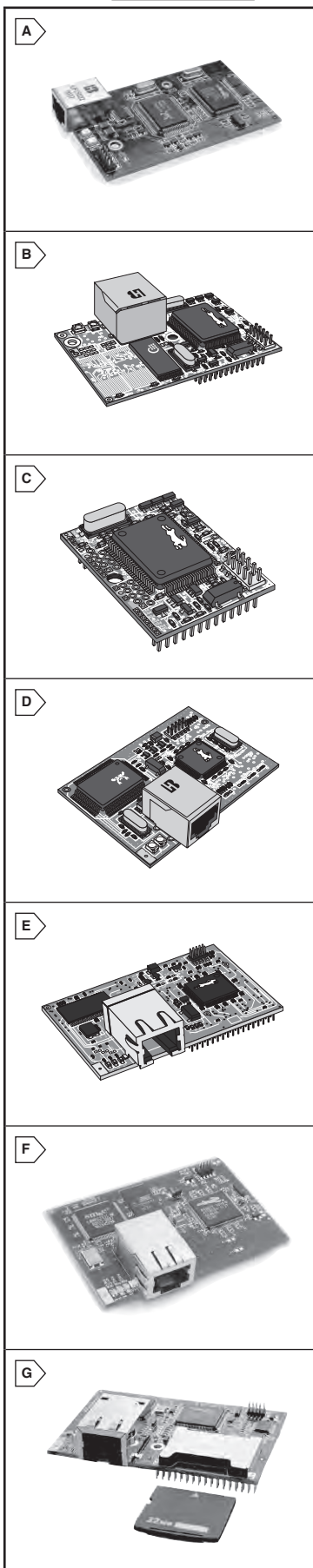
The RCM3365 and RCM3375 RabbitCore modules present a new form of embedded flexibility with removable "hot-swappable" memory cards. Supporting on-board 16MB NAND Flash as well as memory cards of up to 128 MB (sold separately), these RabbitCore modules are ideal for data intensive applications requiring low-power operation.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	Data Flash	GPIO	Serial Ports	Price Each	
										1	50
694-20-101-1051	20-101-1051	G	RCM3365 RabbitCore Module	44.2	512K	512K	512K	52	2-6		
694-20-101-1055	20-101-1055	G	RCM3375 RabbitCore Module	44.2	512K	512K	512K	52	2-6		

For quantities greater than listed, call for quote.



RoHS Compliant



RABBIT Core Modules and Development Kits



Products may be RoHS compliant. Check mouser.com for RoHS status.

RCM3400 AND RCM3410 RABBITCORE MODULES

The RCM3400 analog RabbitCore provides a known-good processor and analog input subsystem for OEMs to quickly integrate into custom designs. The RCM3400 features a low-EMI Rabbit 3000-based CPU subsystem running at 29.4 MHz, with 512K Flash / 512K SRAM or 256K Flash / 256K SRAM, 5 serial ports, and 8 channels of programmable gain analog input in an extremely small footprint (1.37" x 1.16" / 34 x 29mm).

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each		
									1	50	500
694-20-101-0561	20-101-0561	A	RCM 3400 RabbitCore Module	29.4	512K	512K	52	1-4			
694-20-101-0562	20-101-0562	A	RCM 3410 RabbitCore Module	29.4	256K	128K	52	1-4			

RCM3400 RabbitCore US Development Kit

MOUSER STOCK NO.	Rabbit Semi Part No.	Description	Price Each
694-101-0587	101-0587	RCM 3400 RabbitCore US Development Kit	

RCM3600 AND RCM3610 RABBITCORE MODULES

The RCM3600 RabbitCore is the lowest priced Rabbit 3000 microprocessor based core module designed for a wide variety of applications.

Design Advantages:

- Ready-made platform for fast time-to-market, up to 3 months design integration time savings
- Compact size
- Dynamic C® development environment for real-time development and debugging
- Exceptionally fast performance for math, logic, I/O

Applications:

- Handheld devices and Instrumentation
- Remote Data Logging



RoHS Compliant

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each		
									1	50	500
694-20-101-0672	20-101-0672	B	RCM3600 RabbitCore Module	22.1	512K	512K	33	1-4			
694-20-101-0673	20-101-0673	B	RCM3610 RabbitCore Module	22.1	256K	128K	33	1-4			

RCM3750 RABBITCORE MODULE

The RCM3750 features 10/100Base-T connectivity, 512K Flash / 512K SRAM, 4 serial ports, and an extremely small footprint (2.95" x 1.20" / 75 x 30mm). Extensive demo programs, application templates, and optional software modules enable rapid development of secure network embedded systems. Built-in low EMI features, including a clock spectrum spreader, practically eliminate EMI problems, helping OEMs pass European CE and other regulatory RF emissions tests.

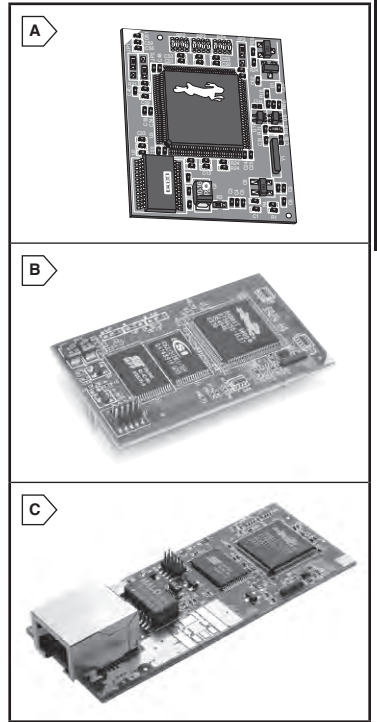
Applications:

- Remote Date Logging
- OEM Serial to Ethernet products
- Network-Enabling Security
- Access Systems
- Building Automation
- Industrial Controls



RoHS Compliant

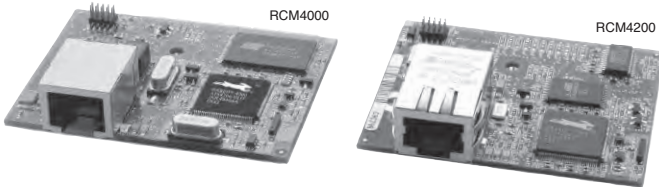
MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	Data Flash	GPIO	Serial Ports	Price Each		
										1	50	500
694-20-101-1028	20-101-1028	C	RCM3750 RabbitCore Module	22.1	512K	512K	1MB	33	1-4			



RCM4000 RABBITCORES – EMBEDDED NETWORKING AND CONTROL

The new Rabbit 4000 is a high-performance, low-EMI microprocessor designed specifically for embedded control, communications, and Ethernet connectivity. The Rabbit 4000 outperforms most 16-bit processors without losing the efficiency of an 8-bit architecture. Extensive integrated features, glueless architecture and 10Base-T Ethernet facilitate rapid hardware design, while a new C-friendly instruction set promotes efficient development of even the most complex applications.

The Rabbit RCM4XXX series of RabbitCore modules enable powerful embedded networking and control in a small package. RabbitCores mount directly onto a user designed motherboard, and can interface with CMOS-compatible digital devices via the user's motherboard. Programs are developed with our industry-proven Dynamic C development system that includes an editor, compiler, and in-circuit debugger.



Application Possibilities:

- Wireless device/data management
- Serial-to-Ethernet applications
- Remote monitoring and communications
- Web-enabling devices
- Device/data management and control
- Device-level control
- Remote data logging
- Asset management
- Security Access Systems

RCM 4000/4010 RabbitCore Modules with Ethernet

Specifications: • VDC = 3.0 to 3.6V For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MHz	Flash	SRAM	Data Flash	Serial Ports	GPIO	Price Each		
							1	10	50
694-20-101-1094	59.98	512K	512K	512K	1-4	19			
694-20-101-1112	59.98	512K	512K	--	1-4	25			

RCM41XX RabbitCore RabbitCore Modules

Specifications: • VDC = 3.0 to 3.6V For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MHz	Flash	SRAM	Data Flash	Serial Ports	GPIO	Price Each		
							1	10	50
694-20-101-1105	59.98	--	512K	512K	1-4	29			
694-20-101-1093	29.49	512K	256K	--	1-4	40			
694-20-101-1154	59.98	--	512K	512K	1-4	40			

RCM42XX RabbitCore Modules

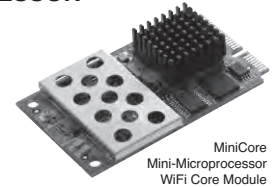
Specifications: • VDC = 3.0 to 3.6V For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MHz	Flash	SRAM	Data Flash	Serial Ports	GPIO	Price Each		
							1	10	50
694-20-101-1131	58.98	512K	512K	512K	1-4	25			
694-20-101-1132	29.49	512K	512K	--	1-4	35			

RCM5600W - MINI-MICROPROCESSOR WI-FI CORE MODULE

The MiniCore RCM5600W module offers 802.11b/g Wi-Fi connectivity which includes WPA2, WPA and WEP security standards, allowing easy integration and interoperability within Wi-Fi networks. With six serial ports, four configurable as SPI, the RCM5600W can easily be embedded into any existing or new design and is pin compatible with current and future MiniCore products.

A Development Kit offers the essential hardware tools and includes the Dynamic C® software development system. The Kit contains a prototyping and interface board with USB connections that will allow you to evaluate and debug the RCM5600W.



MOUSER STOCK NO.		Description	Price Each	
Mfr.	Mfr. Part No.		1	100
694-20-101-1265		MiniCore Mini-Microprocessor Wi-Fi Core Module		
694-101-1284		RCM5600W Standard Development Kit	-	-
694-101-1285		RCM5600W Deluxe Development Kit	-	-

RCM6700 SERIES MINICORE DEV KITS

The ultra-compact MiniCore RCM6700 is ideal for today's smart energy initiatives as well as other applications that require a cost effective web-enabled device server. The RCM6700 series provides up to 6 serial ports, configurable I/O and control features such as PWM. Furthermore, the RCM 6700 series offers a much greater feature set than comparable device servers, while at a lower cost.



MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694-101-1326		RCM67XX MiniCore Deluxe Dev Kit	
694-101-1327		RCM67XX MiniCore Stndrd Dev Kit	

RCM6700 SERIES MINICORE

The RCM6700 series is fully programmable, taking advantage of processor peripherals. The programming environment, Dynamic C, is an ANSI C compatible development environment that provides a royalty free TCP/IP stack and Wi-Fi support. Various protocol support such as ZigBee, Modbus and BACnet are also available to help reduce development costs and time-to-market.



MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	25	50
694-20-101-1318		RCM6700 MiniCore			
694-20-101-1319		RCM6710 MiniCore			
694-20-101-1320		RCM6750 MiniCore			
694-20-101-1321		RCM6760 MiniCore			

SILEX TECHNOLOGY Device Servers & Embedded Modules

Silex Technology Inc. provides networking and wireless solutions for virtually any printer, USB device, Serial device, as well as Embedded Wireless and Embedded Ethernet solutions. Silex products provide secure wireless and wired connectivity for a wide range of devices in a number of different applications, including medical, weights and measures, printers, enterprise and home networking, transportation, and much more.

WIRELESS/WIRED SERIAL DEVICE SERVER

Silex serial device servers allow you to connect any RS-232 or UART-compatible serial device. They include a comprehensive TCP/IP protocol stack plus extensive management tools to make it easy to connect and manage multiple serial device servers over a network. For maximum flexibility, Silex offers both wireless serial device servers and serial to Ethernet (wired) device servers with external or embedded form factors.

SX-500

The SX-500 is an external 802.11b/g wireless or 10base-T/100base-T wired serial server with advantages such that include:

- Industry-leading security including WPA, WPA2, and WEP, plus 802.1x authentication with the most commonly used EAP types
- Easiest way to connect an existing RS-232 device to a wireless or wired network
- Rugged pre-plated galvanized steel enclosure with IP40 industrial grade rating



MOUSER STOCK NO.	Silex Part No.	Description	For quantities greater than listed, call for quote.			
			Price Each			
			1	10	50	100
702-SX-500-1031	SX-500-1031	External 802.11b/g Serial Server, Single Port, US Power Supply				

EMBEDDED WIRELESS MODULES

Silex offers both intelligent and radio-only embedded wireless modules to meet almost any wireless application. Their intelligent embedded wireless modules feature a complete TCP/IP networking stack plus the industry's most extensive wireless security, while their radio modules offer full 802.11a/b/g connectivity in mini PCI or SDIO form factors.

SX-10WAG/WG

Designed specifically for embedded applications, the Silex SX-10WAG and SX-10WG are Mini PCI radio modules that provide superior features such as:

- FCC Limited Modular Approval for simplification of OEM FCC testing requirements
- Meets a wide range of global regulatory certifications/standards
- Includes antenna with cable (no need to source separate antenna) and supports diversity antenna configurations

SX-560

Features the most extensive wireless security in the industry, including 802.1x Extensible Authentication Protocol (EAP) with all major EAP types and WPA2, WPA2-PSK, WPA, WPA-PSK, and WEP wireless security. The SX-560 is a powerful programmable 802.11a/b/g wireless embedded module with major competitive advantages like:

- Very low power consumption for applications like battery operated devices
- Linux operating system with user programmability



SX-SDCAG Shown



SX-560-2701 Shown

MOUSER STOCK NO.	Silex Part No.	Description	For quantities greater than listed, call for quote.			
			Price Each			
			1	10	50	100
702-SX-10WAG	SX-10WAG-US (GP)	MiniPCI Atheros 802.11a/b/g Radio Card, Includes Antenna and Cable				
702-SX-10WG	SX-10WG-US-(GP)	MiniPCI Atheros 802.11b/g Radio Card, Includes Antenna and Cable				
702-SX-560-2701	SX-560-2701	Intelligent Programmable WLAN Module				
702-SX-SDCAG-2831-SP	SX-SDCAG-2831-SP	WiFi/802.11 Modules & Development Tools 802.11a/b/g SDIO Card Module-Sample				
702-SX-560-6900	SX-560-6900	SX-560 Serial Server Developers Kit (main module must be ordered separately)				

PRINT AND USB DEVICE SERVER

Silex MFP/AIO print servers are the only print servers designed specifically to handle all types of USB printers, including virtually any inkjet, multifunction peripheral, or all-in-one printer. This capability is made possible by Silex's SX Virtual Link software, which exactly emulates a hardwired USB port and thereby ensures compatibility with virtually any printer driver.

The SX-2000WG features 802.11b/g wireless capabilities to allow you to locate your high-speed USB printer anywhere in your home or office. Its advantages include:

- Virtual Link software for compatibility with almost any Inkjet /MFP/AIO USB printer
- Transparent operation with your Windows and MacOS X applications
- Can connect up to 14 additional USB devices (scanners, network storage, etc) to the network

MOUSER STOCK NO.	Silex Part No.	Description	For quantities greater than listed, call for quote.			
			Price Each			
			1	10	50	100
702-SX-2000WG	SX-2000WG+	USB 2.0 High-Speed Wireless Print Server				

ETHERNET CONVERTERS

Silex's Ethernet converters make it easy for you to migrate your existing Ethernet devices into new environments. Simply plug the converter into your device, and you're up and running on your new network in minutes with no software modifications required.

SX-2600CV

The SX-2600CV is an IPv4 to IPv6 converter that ensures that your Ethernet devices will be compatible with current and future TCP/IP networks. Its advantages include:

- Makes existing network devices operable in IPv6 environments
- Works in environments that support both IPv4 and IPv6
- Easy to install and use with software transparent operation devices will be compatible with current and future TCP/IP networks.



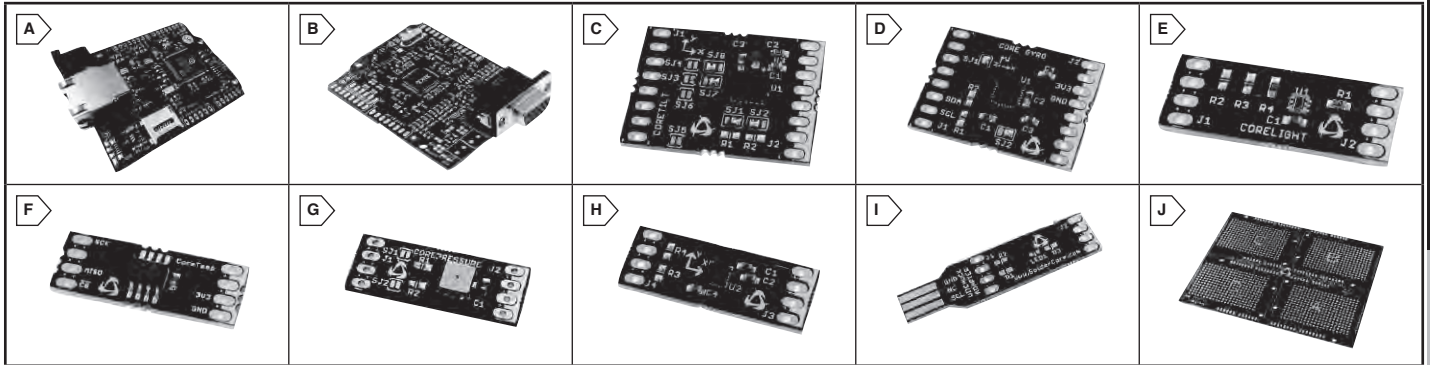
SX-2600CV Shown

MOUSER STOCK NO.	Silex Part No.	Description	For quantities greater than listed, call for quote.			
			Price Each			
			1	10	50	100
702-SX-2600CV	SX-2600CV	IPv4 to IPv6 Converter				

ACCESSORIES

MOUSER STOCK NO.	Silex Part No.	Description	For quantities greater than listed, call for quote.			
			Price Each			
			1	10	50	100
702-108-00016-050	108-00016-050	2.4/5GHz External Antenna for SX-10WAG, SX-550, and SX-560				
702-131-20110-050	131-20110-050	U.FL to RP-SMA 4.6 in Cable for 108-00016-050 External Antenna				
702-131-20110-050	131-20110-050	U.FL to RP-SMA 4.6 in Cable for 108-00016-050 External Antenna				
702-131-00032-050	131-00032-050	U.FL to U.FL Cable for 128-00193-100 Internal Antenna				

SOLDERCORE Development Boards



SOLDERCORE MAIN BOARD

SC-CPU SolderCore Main Board is a complete development platform consisting of an Arduino form-factor microcontroller "CPU" board with a new and exciting software development environment called CoreBASIC. The SC-CPU SolderCore Main Board features a TI LM359D92 Cortex-M3 processor capable of running at clock speeds of up to 80MHz and provides a compact, flexible solution for rapid product development. SolderCore is compatible with a large range of third party plug-in PCBs to expand its capabilities.

- Features:**
- 80MHz ARM Cortex-M3 processor
 - 512KB of flash
 - 20 user-programmable I/O pins + 6 power pins; can be programmed to perform alternative functions including I2C, SPI, UART, PWM, CCP, ADC, QE1, and CAN
 - Micro-AB USB On-The-Go connector
 - Spring-loaded microSD card holder
 - 2.2mm barrel jack for power supply, 6 - 9V; reverse polarity protected
 - Standard Cortex 10-pin JTAG connector
 - Two power indicator LEDs
 - Five user programmable LEDs
 - Reset button

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	SolderCore Part No.	Fig.	Description	Price Each
940-SC-CPU	SC-CPU	A	CPU Main Board - TI LM359D92 80MHz ARM Cortex-M3 Processor	

PROTEUS SHIELD

SolderCore SC-TRANS Proteus Shield - Arduino Form-Factor Translator Board can be used to reliably and safely connect 3.3V and 5.0V Arduino form factor development modules. This allows SolderCore to be used with the huge array of existing Arduino shields, without the worry of damaging the shield or the SolderCore. Furthermore, it allows the SolderCore range of shields to be used with 5.0V Arduino processor modules. SolderCore SC-TRANS Proteus Shield - Arduino Form-Factor Translator Board uses a 22-bit bidirectional voltage translator IC to bridge the 3V3/5V gap. The device is predominantly designed for digital signal conversion, however, a basic buffered signal conversion for analog signals is also provided.

- Features:**
- Bi-directional 3.3V to 5.0V translation
 - Supports open drain/collector and standard push pull CMOS I/O
 - Support for analog signals

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	SolderCore Part No.	Fig.	Description	Price Each
940-SC-TRANS	SC-TRANS	-	Proteus Shield - Voltage Translator Shield	

SENSE-CORE MODULE ADAPTER BOARD

SolderCore SC-SENSE SenseCore Adapter Board is a SolderCore shield developed for rapid sensor integration. SenseCore features 4 Sensor Expansion Interface (SEXI) compliant sockets, for connection to 4 full or 8 half non stacked sensor boards. SolderCore SC-SENSE SenseCore Adapter Board provides a neat and rapid test platform for an array of plug-in digital (UART, I2C, and SPI) and analog sensors.

- Features:**
- Neat and rapid test platform for plug-in digital (UART, I2C, and SPI) and analog sensors
 - 4 full-width SEXI-compliant interfaces
 - I2C sensors can be stacked on top of one another
 - Bus expander for implementation of SPI device select and UARTs; thus only two lines and power required to interface to four full-width SEXI-compliant sensor boards
 - Optional IRQ line for interrupt driven communication to bus expander
 - Flexible power supply, for compatibility with 3.3V and 5V systems

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	SolderCore Part No.	Fig.	Description	Price Each
940-SC-SENSE	SC-SENSE	-	SolderCore SenseCore For SEXI Modules	
Adapter Shields				
940-SC-LCD	SC-LCD	-	SolderCore LCD Adapter Shield	
940-SC-ARCADE	SC-ARCADE	B	SolderCore ARCADE Adapter Shield	
940-SC-LEDS	SC-LEDS	-	SolderCore LED Breakout Shield	

MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	SolderCore Part No.	Fig.	Description	Price Each
940-SC-TILT	SC-TILT	C	CoreTilt SEXI 3-axis Digital Accelerometer	
940-SC-GYRO	SC-GYRO	D	CoreGyro SEXI 3-axis Digital Gyroscope based on ITG-3200	
940-SC-LIGHT	SC-LIGHT	E	CoreLight SEXI Mod Light Sensor	
940-SC-MPU	SC-MPU	-	CoreMPU SEXI Motion Processor Unit based on InvenSense MPU-6050 & Honeywell HMC5883L	
940-SC-TEMP	SC-TEMP	F	CoreTemp SEXI SPI Digital Temperature Sensor with TC77	
940-SC-PRESSURE	SC-PRESSURE	G	CorePressure SEXI Digital Pressure Sensor with Bosch Sensortec BMP085	
940-SC-MAG	SC-MAG	H	CoreMag SEXI Mod Magnetometer	
940-SC-WSN	SC-WSN	-	CoreWSN SEXI Mod ZigBee Transceiver	
940-SC-WII	SC-WII	I	CoreWii SEXI Mod Wii Attachment	

PROTOTYPING

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	SolderCore Part No.	Fig.	Description	Price Each
940-SC-2X2	SC-2X2	J	SolderCore 2x2 Base Prototyping Shield	
940-SC-2X1	SC-2X1	-	SolderCore 2x1 Base Prototyping Shield	
940-SC-STACK	SC-STACK	-	SolderCore Stacker Prototyping Shield	

BUNDLES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	SolderCore Part No.	Fig.	Description	Price Each
940-SC-PAK-1	SC-PAK-1	-	SolderCore Bundle includes CPU, LCD, 2x1 Proto Shield	
940-SC-PAK-2	SC-PAK-2	-	SolderCore Bundle CPU / Arcade/ 2x1 Proto Shield	
940-SC-PAK-3	SC-PAK-3	-	SolderCore Bundle Weather Station	



MULTI-FUNCTION ANTENNAS

GPS/Cellular/2.5ghz antennas

MOUSER STOCK NO.	Taoglas Part No.	Frequency (MHz)	Gain Max. (dB)	VWSR (Max.)	Connector	Description	Dimensions (LxWxH) (mm)	Price Each
External Dome - Adhesive Mount								
960-MA203AB301111	MA.203.A.A301111.B301111	800-2200	32	2	SMA(M)x2	GPS/Cellular, NEMA IP65	55.15x12	
960-MA206AC301151	MA.206.A.A301111.C301151	1575, 2.4-2.5	3	1.92	SMA, RP-SMA	GPS/2.4GHz	25x25x4	
960-MA208AB305111	MA.208.A.A301111.B305111	700-960, 1710-2170	-	3.6	SMA(M)	GPS/LTE/GSM/UMTS, NEMA IP67	200.5x66.5x9	
960-MA208AB305721	MA.208.A.A301621.B305721	700-960, 1710-2170	-	-	FAKRA	GPS/GSM	-	
External Dome - Screw Mount								
960-MA501CC305151	MA.501.C.A301111.C305151	1575.42, 2400-2500	32	2	RP-SMA(M)	GPS/ISM/ZigBee/WLAN/Bluetooth/IEEE.802.11/IEEE.802.15	29x49 diameter	
960-MA600C305111	MA600.A301111.B305111.C305111	824-5900	32	1.9	SMA(M)x3	GPS/Cellular/2.4-5 GHz, NEMA IP67	50x150 diameter	
960-MA700C305111	MA700.A301111.B305111.C305111	700-5900	34	1.95	SMA(M)x3	GPS/LTE Cellular/2.4-5 GHz, NEMA IP67	85.7x145.6 diameter	
960-G21B301111	G21.B.301111	824-960, 1710-2170	3.9	<3.5:1	SMA(M)	GPS/Cellular NEMA IP69K	29x49 diameter	

ISM ANTENNAS

MOUSER STOCK NO.	Taoglas Part No.	Frequency (MHz)	Gain Max. (dB)	VWSR (Max.)	Connector	Dimensions (LxWxH) (mm)	Price Each
Helical - 90°							
960-TI100112	TI.10.0112	433	0	1.5	SMA(M)RA	45x16.5	
Dipole 90° Hinged							
960-TI153113	TI.15.3113	433	3	1.5	SMA(M)	170x13	
Dipole 90°							
960-TI08C0112	TI.08.C.0112	853-883	-	2.3	SMA(M)	52x17.1x9.6	
External Dome - Screw Mount (NEMA IP69)							
960-IS01B305111	IS.01.B.305111	433	0	2	SMA(M)	29x52 diameter	
960-IS04B301111	IS.04.B.301111	868-870	2.09	2.5	SMA(M)	29x52 diameter	
960-IS05B301111	IS.05.B.301111	915	3.14	2.5	SMA(M)	29x52 diameter	
PCB Antennas							
960-FXP240070100A	FXP240.07.0100A	433-435	0	2	MHFII	75x45x0.1	
960-FXP245070100A	FXP245.07.0100A	450-457	0	2	MHFII	75x45x0.1	
Flex Circuit							
960-FXP270070100A	FXP270.07.0100A	779-787	1.4	2	MHFII	75x45x0.1	
960-FXP280070100A	FXP280.07.0100A	863-870	1.5	2	MHFII	75x45x0.1	
960-FXP290070100A	FXP290.07.0100A	902-928	1.5	2	MHFII	75x45x0.1	

2.4-5.2 GHZ ANTENNAS

External Dome (NEMA IP69K)							
960-WS01B305151	WS.01.B.305151	2.4-5.35	-	1.76	RP-SMA(M)	29x49 diameter	
PCB							
960-PC11070100A	PC11.07.0100A	2.4-2.5	3	-	IPEX MHF	66x16x0.8	
960-PC11090100A	PC11.09.0100A	2.4-2.5, 4.9-5.9	4.5	-	MMCX(M)RA	66x16x0.8	

WIFI ANTENNAS

PCB Dipole							
960-FXP810070100C	FXP810.07.0100C	2.4-2.5, 4.9-5.8	5.1	1.7	IPEX MHF1	31x31x0.1	
960-FXP810090100C	FXP810.09.0100C	2.4-2.5, 4.9-5.8	5.1	1.7	MMCX(M)RA	31x31x0.1	
960-FXP830070100C	FXP830.07.0100C	2.4-2.5, 4.9-5.8	5	-	IPEX MHF	42x7	
960-FXP830090100C	FXP830.09.0100C	2.4-2.5, 4.9-5.8	5	-	MMCX(M)RA	42x7	
960-FXP831070100C	FXP831.07.0100C	2.4-2.5, 4.9-5.8	5.5	2.5	IPEX MHF	45x7	
960-FXP831090100C	FXP831.09.0100C	2.4-2.5, 4.9-5.8	5.5	2.5	MMCX(M)RA	45x7	
PCB Antennas							
960-ILAD01	ILAD.01	902-928	1	-	SMD	10x3.2x0.6	
960-ILAD02	ILAD.02	855-881	2.4	-	SMD	10x3.2x0.6	
960-PC81070100ADB	PC81.07.0100A.db	868-870	-	2	IPEX MHF	34x7x0.8	
960-PC91070100ADB	PC91.07.0100A.db	902-928	-	2	IPEX MHF	34x7x0.8	
960-WLP2450254A02	WLP.2450.25.4.A.02	2450±50	5	1.5	Pin w/ Tape	25x25x4.5	

CABLE ASSEMBLIES

MOUSER STOCK NO.	Taoglas Part No.	Cable Length (mm)	Cable Diameter (mm)	Gauge (AWG)	Description	Price Each
960-CAB011	CAB.011	95	1.13	32	IPEX MHF1 to SMA(F) Bulkhead Straight Connector	
960-CAB01402	CAB.01402	100	2.75	26	SMA(F) Bulkhead Straight to MMCX(M) Plug R/A	
960-CABA02	CAB.A02	95	0.81	-	SMA(F) Bulkhead Straight to IPEX MHFII(W.FL comp)	
960-CAB922	CAB.922	75	2.75	-	SMA(F) Bulkhead Straight to SMA(M) Plug Straight	
960-CAB0130	CAB.0130	75	2.75	-	SMA(F) Bulkhead Straight to MCX(M) Plug Straight	
960-CAB0114	CAB.0114	75	2.75	26	SMA(F) Bulkhead Straight to SMA(M) Plug Straight	
960-CAB0101	CAB.0101	100	2.75	26	SMA(F) Bulkhead Straight to SMB(F) Plug	
960-CAB917	CAB.917	1000	5	-	N Type Male Straight to N type Female Straight	
960-CAB916	CAB.916	1000	5	-	N Type Male Straight to N type Male Straight	

RECEPTACLES

MOUSER STOCK NO.	Taoglas Part No.	Type	Housing	Contact	Ground Contact	Dimensions (LxWxH) (mm)	Price Each
960-RECE20279001E01	RECE-20279-001E-01	IPEX MHF (UL.comp)	LCP, UL94V-0, White	Brass, gold plate	Phosphor bronze, gold plate	3.1x3x1.25	

Evaluation Kits

MOUSER STOCK NO.	Taoglas Part No.	Description	Price Each
960-SGPD25C	SGPD.25C	GPS (1579 MHz) Evaluation Kit for SGP.1575.25.4.C.02	
960-SGPD15A	SGPD.15A	GPS (1576 MHz) Evaluation Kit for SGP.1575.15.4.A.02	
960-SGPD12A	SGPD.12A	GPS (1575 MHz) Evaluation Kit for SGP.1575.12.4.A.02	
960-GLAD01	GLAD.01	GPS SMT Loop Antenna (1575.42 MHz) Evaluation Kit for GLA.01	
960-GLAD02	GLAD.02	GPS SMT Loop Antenna (1575.42 MHz) Evaluation Kit for GLA.02	
960-WLAD01	WLAD.01	2.4GHz SMT Evaluation Kit for WLA.01	
960-PAD25	PAD.25	Hexaband Cellular Antenna (824-2200MHz) Evaluation Kit for PA.25a	
960-PAD700	PAD.700	W-CDMA LTE (800-2200MHz) Evaluation Kit for PA.700.A	

Embedded Modules

Taoglas

NEW SUPPLIER

NEW SUPPLIER

NEW SUPPLIER



GPS ANTENNAS

External Dome

MOUSER STOCK NO.	Taoglas Part No.	Frequency (MHz)	Gain Max. (dB)	VWSR (Max.)	Connector	Enclosure Rating	Dimensions (mm)	Price Each
Magnetic Mount - Titan Series								
960-AA105301111	AA.105.301111	1575.42±3	30	1.92	SMA(M)	IP67	LxWxH 44x33x14	
960-AA105301621	AA.105.301621	1575.42±3	30	1.92	Fakra Code C Blue SMB(F)	IP67	25x25x4	
Adhesive Mount - Titan Series								
960-AA108301111	AA.108.301111	1575.42±3	30	1.92	SMA(M)	IP67	LxWxH 25x25x4	
Screw Mount - Hercules Series								
960-A01C301111	A.01.C.301111	1575.42±1.023	28	2	SMA	IP67	Height x Dia. 29x49	
Active Loop Module								
960-ALA01070095A	ALA.01.07.0095A	1575.42	16	2	IPEX MHFI	-	Height x Dia. 5x3x2.3	

Patch

MOUSER STOCK NO.	Taoglas Part No.	Frequency (MHz)	Gain Max. (dB)	VWSR (Max.)	Connector	Dimensions (LxWxH) (mm)	Price Each
Passive							
960-GP1575353A02	GP.1575.35.3.A.02	1616-1626.5	-	1.5	Pin w/ Tape	35x35x3.5	
960-GP1575254A02	GP.1575.25.4.A.02	1575.42±1.023	-	1.5	Pin w/ Tape	25x25x4	
960-GP1575252A02	GP.1575.25.2.A.02	1575.42±2	-	1.5	Pin w/ Tape	25x25x2	
960-GP1575182A02	GP.1575.18.2.A.02	1575±3	-	1.5	Pin w/ Tape	18x18x2	
960-SGP1575154A02	SGP.1575.15.4.A.02	1575.42±1.023	-	1.5	Pin w/ Tape	15x15x4	
960-GPGP1575154B02	GP.1575.15.4.B.02	1575.42±1.023	-	1.5	Pin w/ Tape	15x15x4	
960-SGP1575254C02	SGP.1575.25.4.C.02	1575.42±1.023	-	1.5	SMT	25x25x4.5	
960-GP1575184A02	GP.1575.18.4.A.02	1575±3	-	1.5	SMT	18x18x4	
960-GP1575124A02	GP.1575.12.4.A.02	1575±3	-	1.5	SMT	12x12x4	
960-SGP1575124A02	SGP.1575.12.4.A.02	1575.42±1.023	-	1.5	SMT	12x12x4.5	
960-SGP1575184C02	SGP.1575.18.4.C.02	1575.42±1.023	-	1.5	SMT	18x18x4.5	
Active							
960-AP25F070078A	AP.25F.07.0078A	1575.42±1.023	30	2	IPEX MHFI	25x25x8	
960-AP25E070054A	AP.25E.07.0054A	1575.42±1.023	15	2	IPEX MHFI	35x35x4.5	

IRIDIUM ANTENNAS

MOUSER STOCK NO.	Taoglas Part No.	Frequency (MHz)	Gain Max. (dB)	VWSR (Max.)	Connector	Dimensions (LxWxH) (mm)	Price Each
960-IP1621254A02	IP.1621.25.4.A.02	1616-1626.5	3	1.5	Pin w/Tape	25x25x4	

CELLULAR ANTENNAS

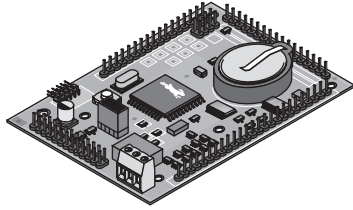
MOUSER STOCK NO.	Taoglas Part No.	Frequency (MHz)	Gain Max. (dB)	VWSR (Max.)	Connector	Description	Dimensions (LxWxH) (mm)	Price Each
I-Bar								
960-GSA8821B301111	GSA.8821.B301111	824-2170	3	-	SMA(M)	Penta-band GSM/CDMA/PCS/DCS/UTMS/WCDMA	106.7x14.7x5.3	
Straight Monopole								
960-TG220111	TG.22.0111	800-2200	0	2.3	SMA(M)	GSM/DCS/PCS/UMTS/CDMA/GPRS/EDGE/HSPA, Black	48x7.8 dia	
960-TG220111W	TG.22.0111w	800-2200	0	2.3	SMA(M)	GSM/DCS/PCS/UMTS/CDMA/GPRS/EDGE/HSPA, White	48x7.8 dia	
Monopole - 90°								
960-TG220112	TG.22.0112	800-2200	0	2.3	SMA(M)RA	GSM/DCS/PCS/UMTS/CDMA/GPRS/EDGE/HSPA, Black	44.8x7.8 dia.	
Monopole - 90° Hinge								
960-TG090113	TG.09.0113	824-2170	2	-	SMA(M)	AMPS/GSM/DCS/PCS/UMTS, black	72x10 dia.	
960-TG090113W	TG.09.0113w	824-2170	2	-	SMA(M)	AMPS/GSM/DCS/PCS/UMTS, white	72x10 dia.	
Magnetic Mount								
960-GA107201111	GA.107.201111	800-2200	-	2	-	AMPS/GSM/DCS/PCS/UMTS	120X6.5 dia.	
External Dome - Adhesive Mount								
960-MA203AB301721	MA.203.A.A301621.B301721	824-2170	32	3	FAKRA	GPS/CDMA/PCS/DCS/UMTS/GPRS/EDGE/HSPA, NEMA IP65	-	
Internal PCB								
960-PC23070100A	PC.23.07.0100A	824-1880	0	2	IPEX MHFI	AMPS/GSM/PCS/DCS	42 dia x 1.6	
960-PC23090100A	PC.23.09.0100A	824-1990	0	2	MMCX(M)RA	AMPS/GSM/PCS/DCS	42 dia x 1.6	
960-PC24070100A	PC.24.07.0100A	824-1990	0	2	IPEX MHFI	AMPS/GSM/PCS/DCS	42x42x1.6	
960-PC24090100A	PC.24.09.0100A	824-1990	0	2	MMCX(M)RA	AMPS/GSM/PCS/DCS	42x42x1.6	
960-PC27070100A	PC27.07.0100A	824-1900	-	-	MHF II	AMPS/GSM/PCS/DCS	34x7x0.8	
960-PC27090100A	PC27.09.0100A	800-1900	-	3.59	MMX(M)RA	AMPS/GSM/PCS/DCS	34x7x0.8	
960-FLA01070045A	FLA.01.07.0045A	824-2170	-	2.5	IPEX MHFII	Penta-band AMPS/GSM/DCS/PCS/3G	31x65.7	
960-FXP07070100A	FXP07.07.0100A	824-2170	-	-	IPEX	Penta-band AMPS/GSM/DCS/PCS/UMTS	41X24	
960-FXP07090100A	FXP07.09.0100A	850-2100	3	2.5	MMCX(M)RA	Hexa-band	70X20X0.1	
960-FXP14070100A	FXP14.07.0100A	850-2100	3	2.5	IPEX MHFII	Hexa-band	70X20X0.1	
960-FXP14090100A	FXP14.09.0100A	850-2100	3	2.5	MMCX(M)RA	Hexa-band	70X20X0.1	
960-FXP100070100A	FXP100.07.0100A	2100-4320	-	2	-	Flexible, WiMAX	31x53x0.2	
960-FXP400070100A	FXP400.07.0100A	690-940, 1720-3130	4	2	IPEX MHF	Ultra Wide-Band	100x38x0.1	
960-FXP14110100B	FXP14.11.0100B	850-2100	3	2.5	Murata GSC	Hexa-band	70x20x0.1	
960-FXP14240100B	FXP14.24.0100B	850-2100	3	2.5	IPEX MHFIV	Hexa-band	70x20x0.1	
960-PC29070100A	PC29.07.0100A	850-2100	2.66	1.78	IPEX MHFI	Penta-band	80x30	
960-PC29090100A	PC29.09.0100A	850-2100	2.66	1.78	MMCX(M)RA	Penta-band	80x30	
960-PC30070100A	PC30.07.0100A	824-2170	-	-	IPEX	Penta-band	74.7x8.2x0.8	
960-PC30090100A	PC30.09.0100A	824-2170	2	-	MMCX(M)RA	Penta-band	74.7x8.2x0.8	
SMD								
960-PA25A	PA.25a	824-960, 1700-2170	-	3	SMD	Hexa-band	35x6x5	
960-PA22A	PA.22a	880-960, 1710-1990	0	2.5	SMD	Tri-band	29.8x6x5	
960-PA700A	PA.700.A	698-960, 1710-2170	3.9	3	SMD	Septa-band LTE/Cellular/CDMA	40x6x5	

RABBIT Single Board Computers



LP3500 FOX

The LP3500 Fox is a low-power single-board computer designed to operate reliably virtually any place it is deployed, especially where power is limited, such as in portable, hand-held, battery-powered, and remote monitoring systems. The LP3500 features built-in analog and digital I/O and consumes less than 20mA when fully operational and less than 100µA in power-save mode.



MOUSER STOCK NO.	Rabbit Part No.	Description	Price Each
812-20-101-0525	20-101-0525	512K/512K Analog inputs, Relay - RoHS	
812-20-101-0526	20-101-0526	256K/128K	
Programming/Development Tool			
694-20-151-0178	20-151-0178	RS-232-to-USB Converter Cable	
Expansion Boards			
694-20-101-0467	20-101-0467	8 Meg Serial Flash - RoHS	
Mounting/Display			
812-20-101-0466	101-0466	Keypad/Display Unit	
694-20-101-0541	20-101-0541	Panel-Mnt Keypad/Display Unit, 3.3 Volt - RoHS	
694-20-101-0502	20-101-0502	Panel-Mount Keypad/Display Unit, 5 Volt - RoHS	
812-540-0069	540-0069	Keypad/Display Unit Cable 5"	
812-20-101-0431	101-0431	Unibox Enclosure	
812-20-101-0495	20-101-0495	Baseplate	

BL2100 SMARTCAT

* RoHS Compliant

MOUSER STOCK NO.	Rabbit Part No.	Description	Price Each
* 812-20-101-0461	20-101-0461	BL2100 Analog and Ethernet	
812-20-101-0568	20-101-0568	BL2100 with 512K/512K	
* 812-20-101-0462	20-101-0462	BL2110 Ethernet, no Analog	
812-20-101-0463	20-101-0463	BL2120 Analog, no Ethernet	
* 812-101-0570	101-0570	BL2120 Friction Lock Connectors	
* 812-20-101-0569	20-101-0569	BL2120 Bottom Mount Sockets	

Product Options & Accessories, Expansion Boards, Mounting/Display

MOUSER STOCK NO.	Rabbit Part No.	Description	Price Each
* 694-20-101-0513	20-101-0513	2mm Programming Cable	
* 694-20-101-0467	20-101-0467	8 Meg Serial Flash	
812-20-101-0466	20-101-0466	Keypad/Display Unit w/Case	
694-540-0066	540-0066	Keypad/Display Unit Cable 20'	
* 812-20-101-0495	20-101-0495	Baseplate	

BL2000 WILDCAT

* RoHS Compliant

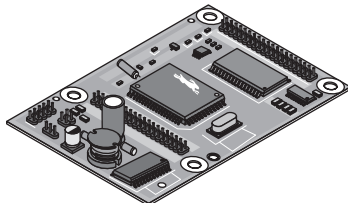
MOUSER STOCK NO.	Rabbit Part No.	Description	Price Each
* 812-20-101-0430	20-101-0430	BL2000 Ethernet, Analog I/O	
* 812-20-101-0455	20-101-0455	BL2010 Ethernet, Analog inputs only, 2 extra dual purpose	
812-20-101-0591	20-101-0591	BL2010 Friction Lock Connectors	
* 812-20-101-0456	20-101-0456	BL2020 No Ethernet, Analog I/O	
* 812-20-101-0457	20-101-0457	BL2030 No Ethernet, Analog inputs only, 2 extra dual	

Product Options & Accessories, Expansion Boards, Mounting/Display

MOUSER STOCK NO.	Rabbit Part No.	Description	Price Each
694-20-151-0178	20-151-0178	RS-232 to-USB Converter Cable	
* 694-20-101-0467	20-101-0467	8 Meg Serial Flash	
* 812-20-101-0431	20-101-0431	Unibox Enclosure	
* 812-151-0075	151-0075	Light Pipes	
* 812-20-101-0495	20-101-0495	Baseplate	

BL1800 JACKRABBIT

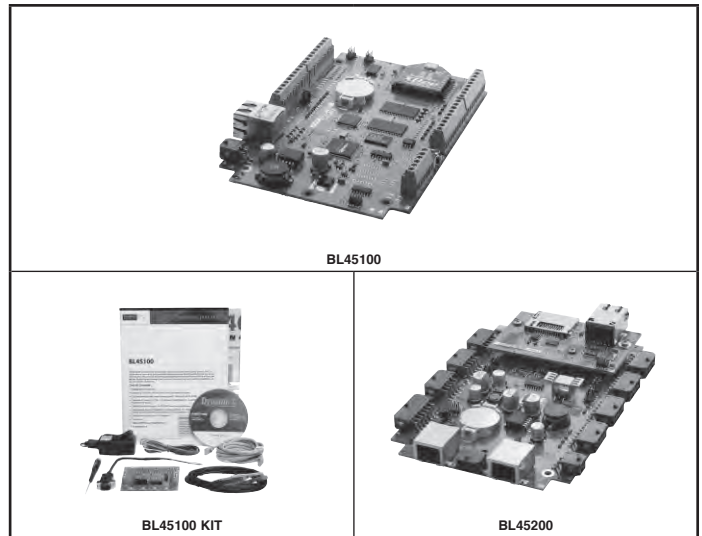
The Jackrabbit is RABBIT's most compact and lowest cost C-programmable single-board computer. The Jackrabbit is the perfect solution for applications that have significant cost and size constraints but need a dependable SBC. Fast number crunching is provided by a Rabbit 2000 microprocessor operating at up to 29.5MHz.



BL4S100 & BL4S200 SINGLE BOARD COMPUTERS

The BL4S100 is a low-cost Rabbit® 4000 microprocessor based single-board computer series that delivers ZigBee and Ethernet capability. On-board ZigBee RF modules offer mesh networking functionality to make networking easy to deploy and simple to maintain. With both Ethernet and ZigBee connectivity integrated onto the BL4S100, the series delivers a low-cost platform to design a ZigBee enabled Ethernet network.

Rabbit's BL4S200 series of single-board computers deliver the features and wireless connectivity to support networking for industrial control applications. In addition to the Ethernet and Fast Ethernet versions, the BL4S200 offers a choice of Wi-Fi and ZigBee enabled wireless networking options. The BL4S200 provides reliable hardware that has been certified by the FCC and other international agencies.



MOUSER STOCK NO.	Rabbit Part No.	Description	Price Each
BL4S100 Single-Board Computer - ZigBee Enabled Ethernet Gateway			
694-20-101-1255	20-101-1255	BL4S100 512K with XBee	
694-20-101-1256	20-101-1256	BL4S110 512K	
694-20-101-1257	20-101-1257	BL4S150 1M with XBee	
694-20-101-1258	20-101-1258	BL4S160 1M	
BL4S200 Single-Board Computer - Wireless or Wired Connectivity for Industrial Control			
694-20-101-1220	20-101-1220	BL4S200 (RCM4310-based)	
694-20-101-1259	20-101-1259	BL4S210 (RCM4010-based)	
694-20-101-1260	20-101-1260	BL5S220 (RCM5400-based)	
694-20-101-1261	20-101-1261	BL4S230 (RCM4510W-based)	
Development Tools			
694-101-1268	101-1268	BL4S100 Tool Kit	
694-101-1270	101-1270	BL4S200 Tool Kit	
Optional Add-Ons			
694-101-1279	101-1279	BL4S100 Plastic Enclosure	
694-101-1272	101-1272	Mesh Network Add-On Kit	

MOUSER STOCK NO.	Rabbit Part No.	Description	Price Each
812-20-101-0356	20-101-0356	BL1800	
812-20-101-0357	20-101-0357	BL1810	
812-20-101-0358	20-101-0358	BL1820	
Programming/Development Tools			
694-20-101-0513	20-101-0513	2mm Programming Cable	
694-20-151-0178	20-151-0178	RS-232-to-USB Converter Cable	
694-151-0113	151-0113	Connector Adapter Board	
Expansion Boards			
694-20-101-0467	20-101-0467	8 Meg Serial Flash	

RABBIT Single Board Computers and Software



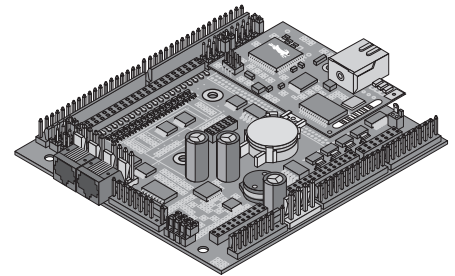
BL2600 WOLF - MODELS BL2600, BL2610

The BL2600 Wolf single-board computer provides embedded systems engineers a complete and expandable performance package. Two standard models—one with 10/100 Ethernet and one without 10/100 Ethernet - feature the Rabbit 3000[®] microprocessor at 44.2 and 29.4 MHz respectively, with at least 512K Flash and 512K SRAM (standard).

Programming the BL2600

Programs are developed and debugged using industry-proven Dynamic C[®] software, which runs on a Windows PC. The programming device is connected via a serial cable, a USB cable, or Ethernet. Comprehensive debugging support includes break points, watch expressions and many other extensive features oriented toward real-time embedded systems programming. An extensive library of drivers and sample programs is provided, including a royalty-free TCP/IP stack for network and Internet communications. Full source code is provided for most library routines.

MOUSER STOCK NO.			Description	Price Each
Mfr.	Mfr. Part No.			
For quantities greater than listed, call for quote.				
BL2600 Wolf Board				
812—20-101-0889			BL2600 Board with 10/100Base-T Ethernet - RoHS	
812—20-101-0891			BL2610 Board without 10/100Base-T Ethernet - RoHS	
Product Accessories				
812—20-101-0879			RN1600 RabbitNet Keypad/Dsply Interface Card-RoHS	
812—20-101-0688			RN1300 RabbitNet D/A Expansion Card	
812—20-101-0616			RN1200 RabbitNet Digital I/O Expansion Card	
812—20-101-0612			RN1100 RabbitNet Digital I/O Expansion Card	
694—20-101-0468			SF1000 4MB Serial Flash Expansion - RoHS	
694—20-101-0467			SF1000 8MB Serial Flash Expansion	
694—20-151-0178			RS-232-to-USB Converter Cable for USB only PCs	
694—20-101-0542			1.27mm Connector for 10/100Base-T Option	
812—20-101-0581			Connectivity Kit	



SR9000 SMART START SYSTEM

The Smart Start is a modular and expandable embedded control system designed for demanding real-time control and data acquisition applications. Multiple I/O card options-including digital, A/D, D/A, and relays-allow users to closely match their specific I/O needs. The Smart Star CPU card comes in both Ethernet and non-Ethernet versions, and a cost-effective keypad/display is also available.

Ethernet connectivity - CPU card with or without Ethernet

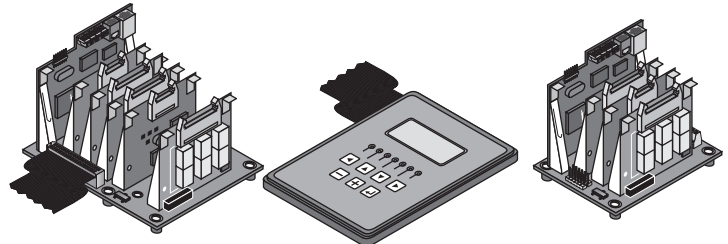
Flexible functionality - modular configuration to easily interchange or replace individual I/O cards

Multiple I/O card options - digital I/O, A/D, D/A, relay

Expandable - up to 168 I/O

Cost-effective - low cost per I/O

Optional keyboard/display - backlit 122 x 32 pixel graphic LCD with 7 user-relegendable keys, 7 LEDs



Smart Start Backplane

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
812—20-101-0512		SR9010 7-slot - RoHS	
812—20-101-0487		SR9050 3-slot	

Keyboard/Display Options

694—20-101-0601	Keypad/Display Unit, 3.3 Volt, No Case - RoHS
694—20-101-0465	Keypad/Display Unit, 5 Volt, No Case

Product Options and Accessories

812—101-0504	Cable and Mounting Hardware
812—540-0069	Keypad/Display Unit Cable 5"
812—151-0127	Connector Adapter Board

Smart Start CPU Card

812—20-101-0486	SR9150 Ethernet - RoHS
812—20-101-0738	SR9150 Ethernet, 512K SRAM - RoHS
812—20-101-0506	SR9160

Programming/Development Tool

694—20-151-0178	RS-232-to-USB Converter Cable
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Smart Start Digital I/O Cards

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
812—20-101-0389		16 inputs and 8 outputs, sinking	
812—20-101-0437		16 inputs and 8 outputs, sourcing - RoHS	
812—20-101-0390		8 inputs and 16 outputs, sinking - RoHS	

Smart Start A/D Cards

812—20-101-0392	Eleven 12-bit analog inputs (0-10V)
812—20-101-0444	Eleven 12-bit analog inputs (4-20mA) - RoHS

Smart Start D/A Cards

812—20-101-0393	Eight 12-bit analog outputs (0-10V)
812—20-101-0445	Eight 12-bit analog outputs (4-20mA) - RoHS

Smart Start Relay Cards

812—20-101-0395	6 relays: 1SPDT, 5 SPST, including snubbers
812—20-101-0440	8 SPDT relays, no on-board snubbers - RoHS

Smart Start Field Wiring Terminals

812—20-101-0515	Screw-type (A/D, D/A) - RoHS
812—20-101-0421	Pluggable (A/D, D/A)
812—20-101-0512	Screw-type (I/O, Relay 8)
812—20-101-0420	Pluggable (I/O, Relay 8)

BL2500 COYOTE

Gives OEM designers extremely low-cost embedded control for high-volume applications such as product control, factory equipment control, access control, HVAC, and vending machines. Two standard models—one with Ethernet, one without—feature the Rabbit 3000[™] microprocessor at 29.4 MHz, with 256K Flash and 128K SRAM.

Complete Kits For New Users

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
812—101-0577		Jump start your evaluation and design efforts with a complete development kit, which includes BL2500 Coyote, demonstration board, Dynamic C development system and complete documentation CD-ROM, serial cable for programming and debugging.	

Product Only

* RoHS Compliant † Requires 1.27mm programming cable

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
* 812—20-101-0575		BL2500 10Base-T Ethernet	
812—20-101-0599		BL2500 with 512K/512K	
* 812—20-101-0602		BL2500 with 10/100, 512K/512K, 44.2clk †	
* 812—20-101-0576		BL2510 No Ethernet	

Expansion Boards

* RoHS Compliant

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
* 812—20-101-0616		RabbitNet A/D Expansion Card	
* 812—20-101-0612		RabbitNet Digital I/O Expansion Card	
* 694—20-101-0467		8 Meg Serial Flash	
* 812—20-101-0879		RN1600 RabbitNet Keypad/Display Interface Card	



Programming/Development Tools

* RoHS Compliant

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
* 694—20-151-0178		RS-232-to-USB Converter Cable	
538—63811-1000		Crimp Tool	
* 694—20-101-0542		1.27 mm Programming Cable	
* 812—20-101-0581		Connectivity Kit	

