

User Manual

Rugged Tablet

ART101

DFI



Safety Information

Read the following safety information before using your device.

- Use only the power adaptor provided by the manufacturer. Use of unauthorized accessories may void your warranty.
- Avoid using the device near electromagnetic sources such as TVs, radios, and microwave ovens.
- Unplug the power adaptor from the wall outlet during lightning storms to avoid electric shock or fire.
- Do not expose the device to direct sunlight.
- Do not use harsh chemicals or detergents to clean your device.
- Do not handle the device with wet hands while it is being charged. This may cause an electric shock or serious damage to the device.
- Do not store your device in temperatures higher than 60°C.
- The operating temperature for this device is from 10°C to 55°C.
- Do not use the device on board an aircraft.

Regulatory Statement

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in a particular installation if this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver connected.- Consult the dealer or an experienced radio/TV technician for help. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

SAR Information

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. The exposure standard employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the EUT transmitting at the specified power level in different channels.

The highest SAR value for the device as reported to the FCC is 1.382 W/kg when placed next to the body. The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this device is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/oet/ea/fccid after searching on FCC ID: NDPEM-100. This device is compliance with SAR for general population

/uncontrolled exposure limits in ANSI/IEEE C95.1-1999 and had been tested in accordance with the measurement methods and procedures specified in OET Bulletin 65 Supplement C.

WEEE Notice

The WEEE logo on the product or on its box indicates that this product must not be disposed of or dumped with your other household waste. You are liable to dispose of all your electronic or electrical waste equipment by relocating over to the specified collection point for recycling of such hazardous waste. Isolated collection and proper recovery of your electronic and electrical waste equipment at the time of disposal will allow us to help conserve natural resources. Moreover, proper recycling of the electronic and electrical waste equipment will ensure safety of human health and environment. For more information about electronic and electrical waste equipment disposal, recovery, and collection points, please contact your local city center, household waste disposal service, shop from where you purchased the equipment, or manufacturer of the equipment.

Product description:

This Enterprise Tablet is a stylish commercial tablet that uses the latest ARM technology supporting mobile work input to ensure a high processing performance. Equipped with the energy-efficient Freescale ARM CPU in an Android system, the Enterprise Tablet provides the highest usability matching various industrial needs. Designed for use in the field, logistics, retail and restaurants, the Enterprise Tablet improves profitability and customer satisfaction.

Special Features:

- Android 4.x OS
- High performance by Freescale i.MX 6 Dual Lite Processor with low power consumption
- Wireless Capabilities
- Near Field Communication ready
- IP65
- 1M drop resistance
- Ease of use for all-day use inside and outside
- Variable and flexible functions with accessories

Optional:

- 3-track MSR
- 1D/2D barcode reader
- IC Card reader
- Fingerprint
- GPS
- VESA plate
- Hand strap
- Shoulder strap

Standard Specification

Processor	Freescale i.MX 6 Dual Lite 1G
OS	Android 4.2 need CTS, GMS
Memory	Standard: 1GB (up to 2G)
Storage	Standard: 8GB for Android eMMC on board (eMMC/8G/KE4CN3K6A/FBGA169)
Display	10.1", 1280 x 800, 350nits CMI EJ101IA-01G
Touch	10.1" capacitive touch 敦泰FT-5606
Bluetooth	V4.0+HS WM-BAN-BM-07_S module UART interface
WiFi	802.11 a/b/g/n Roaming function The WM-BAN-BM-07_S module is designed based on Broadcom 4334 chipset solution. It supports generic GSPI, SDIOv2.0, HSIC interface to connect the WLAN to the host processor. High speed UART is available to connect the Bluetooth 4.0+HS/FM Receiver to the host processor.
NFC	On board NXP PN544 C3 IC
Accelerometer	Acceleration sensor/KXTI9-1001
E-compass Sensor	Compass Sensor/AMI306/SMD LGA10
Rear Camera	5.0 Mega Pixels, Auto Focus, Flash Light (Sensor Type OV5640)
Front Camera	2.0 Mega Pixels Aptina MT9D115

Battery	Li-Polymer, 3.7V, 8060mAh
Working time	8 hours @film with speaker, 50% Brightness, WiFi on
Speaker	Internal*2
I/O	1 x SIM (internal) 1 x Micro SD 1 x DC Jack 1 x Micro HDMI 1 x Earphone & MIC Jack 2 x function keys 1 x Micro USB female type 1 x Power button 2 x Volume button 1 x USB host 2 x Internal Host USB for MSR or IC Card reader 1 x Internal RS232 for 1D or 2D barcode scanner
LEDs	1 x red/green LED for power & system status 1 x blue LED for NFC good read
Power Adaptor	Input:100V to 240V AC 50/60Hz 0.8A Output: 5V DC 3A ; AC Cable
Dimension	WxLxT: 267mm x 197mm x 20.5/25mm (1D/2D)
Operating temperature	0oC to +40oC
Storage temperature	-20oC to +60oC (without battery)
Charging temperature	0oC to +40oC
Humidity	5% to 95% RH (no condensation)
Sealing	IP65 (w/o MSR/IC card/Scanner); IP54 (w/MSR/IC card/Scanner)
Drop specification	1M drop onto concrete
Vibration	MIL-STD-810G Method 514.6 Procedure I (non-operating)
Certification	CE/FCC/VCCI/BSMI/NCC

Optional Accessory Specifications

Gyroscope Sensor	3-Axis Gyroscope/MPU-3050
GPS	(Internal module) Stand Alone & AGPS u-Blox GPS Module: MAX-7
Vibrator	Optional vibration as barcode good read indicator
1D Barcode Scanner	Built-in Laser barcode scanner Opticon 1D scanner MDL-2100 laser scan engine UART interface
2D Barcode Scanner	Built-in 2D imager reader Opticon 2D scanner MDI-3100-SR CMOS sensor UART interface
IC	Card Module Built-in IC Card
MSR	Built-in MSR, support ISO and JIS II cards ID-tech MSR support JIS II Encryption MSR

