



MMC543AHVN2-26

Wireless Indoor Access Point

Features

- Atheros XR™ eXtended Range technology
- MIPS 24K-family 680MHz network processor
- IEEE 802.11n compliant and backward compatible with 802.11b/g
- Dual-band MIMO 2 x 2 spatial multiplexing technique
- Supports up to 300Mbps physical data rates
- Delivers 10 times the throughput and nearly twice the range of legacy 802.11g network
- Flexible, integrated single or dual radio options
- Supports IEEE802.11i , IEEE802.1x authentication
- Supports 802.3af and Passive Power-over-Ethernet (PoE)
- 2 x RP-SMA Connector and Antenna
- Surge arrestor support

MMC2N28AHV TECHNICAL SPECIFICATIONS

HARDWARE INFORMATION			
Processor	Atheros AR7161 (680MHz) Network Processor		
System Memory	32MB (max 64MB optional) DDR SDRAM		
NOR Flash	8MB (max 16MB optional)		
LAN Interface	1 x 10/100 BASE-T Ethernet Port		
Antenna	2 x 2dBi detachable SMA antenna		
Power Consumption	7.5Watts		
Radio Option ^②	MIMO MINIPCI CARD RADIO		
Tx Specifications		802.11b	802.11g
	1Mbps	29dBm	
	6Mbps	29dBm	29dBm
	54Mbps		24dBm
		802.11n/g	
		HT20	HT40
	MS0	26dBm	25dBm
	MS3	26dBm	25dBm
Rx Specifications		802.11b	802.11g
	1Mbps	-94dBm	
	6Mbps	-94dBm	-94dBm
	54Mbps		-74dBm
		802.11n/g	
		HT20	HT40
	MS0	-92dBm	-90dBm
	MS3	-86dBm	-82dBm
	-73dBm	-71dBm	
Power Supply	24V to 48V DC, power adapter and injector included		
Power method	Passive PoE(range 24V-48V DC), 802.3af PoE(48V-56V) or DC Jack		
RoHS Compliant	Yes		
Weight	260 grams		
Humidity	Operating: 5% to 95% (non-condensing) Storage: Max.90% (non-condensing)		
Temperature Range	Operating:-20°C to 70°C Storage: -40°C to 90°C		
Dimension	145mm x 132mm x 41mm (H x W x D)		

FIRMWARE SPECIFICATIONS

Multiple SSID

- Supports up to 4 virtual access points (VAP) per radio, with unique BSSID. Each VAP can configure their own security and differentiated services.

Long Range Support

- Suitable for long range wireless deployment with Proprietary Long Distance Algorithm of ACK and CTS timeout adjustment support.
- Provides recommended values for the parameters as well as allow for manual fine-tuning for optimal performance.

Signal Strength Indicators

- LEDs are adjustable to display 4 different level signal strength

Variable Spectrum Bandwidth Support

- Options to select operation over 5MHz,20MHz and 40MHz spectrum bandwidth

FIRMWARE INFORMATION	
Operating Modes	<ul style="list-style-type: none"> • Access Points • Station • Station WDS • Repeater WDS • Wireless Adapter • Station + Router • Access Point + Router
WAN Type	<ul style="list-style-type: none"> • Static IP • Dynamic IP • PPPoE
Device Management	<ul style="list-style-type: none"> • HTTP / HTTPs Web Server • SNMP V2c • Telnet / Secure Shell (SSH)
Data Capture & Notification	<ul style="list-style-type: none"> • Event Login (Syslog) • Detailed Statistics per Client
Virtual Access Point (VAP)	<ul style="list-style-type: none"> • Up to 4 SSIDs with unique MAC Addresses (BSSID)
Advanced Features	<ul style="list-style-type: none"> • Built-in DHCP server • Transmission Power Control (One dB per step) • Closed System (Suppress SSID) • Transmission Rate Control • Spanning Tree Protocol

OTHER PROMINENT FEATURES	DESCRIPTION
Long Range Parameter Settings	Distance adjustment for long range transmission
CPE Point-to-Point (PtP)	Ideal as CPE device connecting PtP with a central AP
Power with PoE	Device power from PoE through ethernet cable provides flexible installation.
SNMP Trap	SNMP Traps enable an agent to notify the management station of significant events by way of an unsolicited event.
Signal Strength LEDs Indicators	4 Step Progressive Bars. Each bar represents a progressive increase in signal strength, with 4 bars representing maximum signal
DHCP Relay (Only in Gateway or Wireless Routing Client Mode)	Allows DHCP Clients on different subnets to get IP address from central DHCP server.
Remote Upgrade of Firmware	Allows user to upgrade their firmware through Telnet/SSH
RIP 1 / 2 (Only in Gateway or Wireless Routing Client Mode)	Routing Information Protocol Version 1 / 2
Tag and Untag VLAN/VLAN Pass-through	a. Tag VLAN Pass-through mode in AP/Transparent Client link b. Wireless untag Vlan to Ethernet Tag Vlan mode c. Wireless tag Vlan to Ethernet Tag Vlan mode d.

Customizable Options^③

CUSTOMIZABLE FEATURES	DESCRIPTION
Web Page Customization	Customize webpage for OEM customers.

Ordering Configurations^②

Item Code	Version	Radio Output	Carton Dimension
MMC543AHV 6D07GFCUN2-26	COMPEX US version	28dBm	For 10 pcs/carton, 0.78m*0.38m*0.25m /0.006=12.35KG
MMC543AHV 6D07GFCEN2-26	COMPEX EU version	28dBm	
MMC543AHV 6D07GFOUN2-26	OEM US version	28dBm	
MMC543AHV 6D07GFOEN2-26	OEM EU version	28dBm	
MMC543AHV 6D07GFWUN2-26	Open-WRT US version	28dBm	
MMC543AHV 6D07GFWEN2-26	Open-WRT EU version	28dBm	

- ① For OEM customization options, please contact sales person.
- ② Configurations are subject to change without notice
Please contact Complex sales representatives for other available configurations



Compliance Information

FCC Compliance 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 must accept any interference received, including interference that may cause undesired operation. Product that is a radio transmitter is labeled with FCC ID.

FCC Caution:

(1) Exposure to Radio Frequency Radiation. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

(2) Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

(3) This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

(4) Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

(5) Outdoor Operations in the 5.15~5.25GHz band is prohibited.

IMPORTANT NOTE: In the event that these conditions can not be met (for example certain laptop configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID can not be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

WARNING: This AP does not support ad-hoc mode Function

FCC ID: TK4MMC2N28

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