

# CPE-5000 Datasheet



CPE-5000 is a 4 port EoC (G.HN 2.0) Wi-fi CPE (Customer Premise Equipment) which converts coax cable to Wi-fi and RJ45 Ethernet and delivers Gigabit Ethernet service to subscribers. It uses ITU-T Technical Specifications G.9960 / G.9961-G.hn 2.0.

## ■ Specifications

### Hardware

CPU & Chipset	MT7612 & MT7603
Wireless interface	802.11 a/b/g/n/ac
LAN interface	4ports (10/100/1000 Mbps)
Antenna	Dipole Antenna(5dBi) x 4EA (2.4GHz x 2EA, 5GHz x 2EA)
Button	WPS, Reset, ON/OFF Switch
I/O port	GDSL port(F Connector) x 1EA, LAN port(RJ-45) x 4EA, DC-In x 1EA
LED status	Power, GDSL, WiFi 2.4G, WiFi 5G, LAN x 4EA
Power	DC 12.0 V
Physical Dimension	7.36" (W) X 5.55" (D) x 1.22" (H)
Weight	10 ounces

### Wireless

Frequency	802.11b/g/n(HT20)-2.4GHz	Down/Up	2412MHz~2472MHz
	802.11n(HT40)-2.4GHz	Down/Up	2422MHz~462MHz
	802.11a-5.7GHz 802.11n(HT20)-5.7GHz 802.11ac(VHT20)-5.7GHz	Down/Up	5745MHz~5825MHz
	802.11n(HT40)-5.7GHz 802.11ac(VHT40)-5.7GHz	Down/Up	5755MHz~5795MHz
	802.11ac(VHT80)-5.7GHz	Down/Up	5775MHz
	802.11n-5.1GHz 802.11n(HT20)-5.1GHz 802.11ac(VHT20)-5.1GHz	Down/Up	5180MHz~5200MHz
	802.11n(HT40)-5.1GHz 802.11ac(VHT40)-5.1GHz	Down/Up	5190MHz
	802.11ac(VHT80)-5.1GHz	Down/Up	5210MHz
	Output	802.11b/g/n(HT20)-2.4GHz	10mW/MHz Under
802.11n(HT40)-2.4GHz		5mW/MHz Under	
802.11a-5.7GHz 802.11n(HT20)-5.7GHz 802.11ac(VHT20)-5.7GHz		10mW/MHz Under	
802.11n(HT40)-5.7GHz 802.11ac(VHT40)-5.7GHz		5mW/MHz Under	
802.11ac(VHT80)-5.7GHz		2.5mW/MHz Under	
802.11n-5.1GHz 802.11n(HT20)-5.1GHz 802.11ac(VHT20)-5.1GHz		2.5mW/MHz Under	
802.11n(HT40)-5.1GHz 802.11ac(VHT40)-5.1GHz		1.25mW/MHz Under	
802.11ac(VHT80)-5.1GHz		0.625mW/MHz Under	

Channel	802.11b/g/n(HT20)-2.4GHz	13 Channels
	802.11n(HT40)-2.4GHz	9 Channels
	802.11a-5.7GHz 802.11n(HT20)-5.7GHz 802.11ac(VHT20)-5.7GHz	5 Channels
	802.11n(HT40)-5.7GHz 802.11ac(VHT40)-5.7GHz	2 Channels
	802.11ac(VHT80)-5.7GHz	1 Channel
	802.11n-5.1GHz 802.11n(HT20)-5.1GHz 802.11ac(VHT20)-5.1GHz	2 Channels
	802.11n(HT40)-5.1GHz 802.11ac(VHT40)-5.1GHz	1 Channel
	802.11ac(VHT80)-5.1GHz	1 Channel
	Propagation Type	802.11b/g/n(HT20)-2.4GHz
802.11n(HT40)-2.4GHz		D2D
802.11a-5.7GHz 802.11n(HT20)-5.7GHz 802.11ac(VHT20)-5.7GHz		D2D
802.11n(HT40)-5.7GHz 802.11ac(VHT40)-5.7GHz		D2D
802.11ac(VHT80)-5.7GHz		D2D
802.11n-5.1GHz 802.11n(HT20)-5.1GHz 802.11ac(VHT20)-5.1GHz		D2D
802.11n(HT40)-5.1GHz 802.11ac(VHT40)-5.1GHz		D2D
802.11ac(VHT80)-5.1GHz		D2D

### Environmental

Operating Temperature/Humidity	-10 °C ~ +50 °C / 10 ~ 90%
Power Input	DC12V @ 1A

### G.hn Specifications

Standard/Certification	ITU-T G.9960 Support(G.hn PHY) ITU-T G.9961 Support(G.hn MAC) ITU-T G.9962 Support(Management Plane) ITU-T G.9980 (TR-069 Remote management) IEEE 802.3z for 1000Base-X IEEE 802.3x for Flow control IEEE 802.1p for CoS (Class of Service) IEEE 802.1Q for VLAN Tagging
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