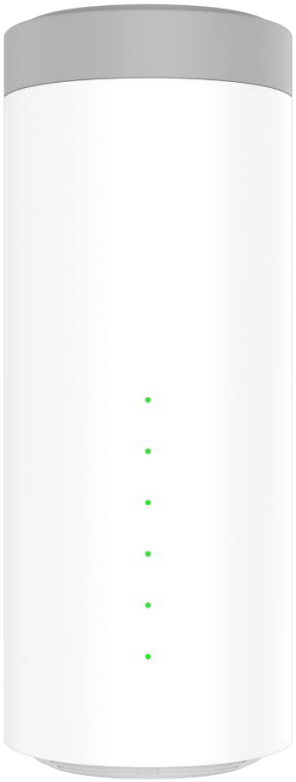
11be 9Gbps WiFi 7 5G CPE

Modle: AP-6000-CPE-I-4-P-ANT-21



Short Description:

AP-6000-CPE-I-4-P-ANT-21 is a high-performance, high-speed dual band 5G router that can provide 2.4GHz, 5.8GHz & 6GHz wireless services.

Main Features:

- Omnidirectional high gain antenna, 360° receiving 5G signal, more stable internet access.
- Hardware watchdog function, manual maintenance free, 5G offline detection.
- Support 4G LTE/ 5G NR.
- Support remote management.

Hardware Spec:

Model	AP-6000-CPE-I-4-P-ANT-21				
CPU	IPQ5322+QCN6274+QCA8386				
Flash	Nand 128MB				
DDR	1024MB×1				
2.4G working frequency	2.4GHz ~ 2.484GHz				
2.4G WIFI protocol	802.11 b/ g/ n/ ax				
5G working frequency	5.150GHz ~ 5.850GHz				
5G WIFI protocol	802.11 a/ n/ ac/ ax				
6G working frequency	5.925GHz ~ 7.125GHz				
6G WIFI protocol	802.11 a / n / ac / ax / be				
WiFi Antenna	Internal 2.4GHz/ 5GHz*2: 5dBi; 6GHz*2: 4dBi*2				
5G Antenna	Internal 5G antenna*4: 4dBi				
Max rate	2.4GHz: 688M; 5GHz: 2882Mbps; 6GHz: 5764Mbps				
2.4GHz TX Power	802.11b	11M	24±2dBm	1M	24±2dBm
	802.11g	54M	23±2dBm	6M	24±2dBm
	802.11n HT20	MCS7	23±2dBm	MCS0	24±2dBm
	802.11n HT40	MCS7	22±2dBm	MCS0	24±2dBm
	802.11ax HE20	MCS11	21±2dBm	MCS0	24±2dBm
	802.11ax HE40	MCS11	21±2dBm	MCS0	24±2dBm

	802.11be EHT20	MCS13	20±2dBm	MCS0	24±2dBm
	802.11be EHT40	MCS13	20±2dBm	MCS0	24±2dBm
5GHz TX Power	802.11a	54M	21±2dBm	6M	23±2dBm
	802.11n HT20	MCS7	20±2dBm	MCS0	23±2dBm
	802.11n HT40	MCS7	20±2dBm	MCS0	23±2dBm
	802.11ac VHT20	MCS8	19±2dBm	MCS0	23±2dBm
	802.11ac VHT40	MCS9	18±2dBm	MCS0	23±2dBm
	802.11ac VHT80	MCS9	18±2dBm	MCS0	23±2dBm
	802.11ax HE20	MCS11	18±2dBm	MCS0	23±2dBm
	802.11ax HE40	MCS11	18±2dBm	MCS0	23±2dBm
	802.11ax HE80	MCS11	18±2dBm	MCS0	23±2dBm
	802.11ax HE160	MCS11	18±2dBm	MCS0	23±2dBm
	802.11be EHT20	MCS13	18±2dBm	MCS0	23±2dBm
	802.11be EHT40	MCS13	18±2dBm	MCS0	23±2dBm
	802.11be EHT80	MCS13	18±2dBm	MCS0	23±2dBm
	802.11be EHT160	MCS13	17±2dBm	MCS0	23±2dBm
6GHz TX Power	802.11a	54M	20±2dBm	6M	22±2dBm
	802.11n HT20	MCS7	20±2dBm	MCS0	22±2dBm
	802.11n HT40	MCS7	20±2dBm	MCS0	22±2dBm
	802.11ac VHT20	MCS8	19±2dBm	MCS0	22±2dBm
	802.11ac VHT40	MCS9	19±2dBm	MCS0	22±2dBm
	802.11ac VHT80	MCS9	18±2dBm	MCS0	21±2dBm
	802.11ax HE20	MCS11	18±2dBm	MCS0	22±2dBm
	802.11ax HE40	MCS11	18±2dBm	MCS0	22±2dBm
	802.11ax HE80	MCS11	17±2dBm	MCS0	21±2dBm
	802.11ax HE160	MCS11	17±2dBm	MCS0	21±2dBm
	802.11be EHT20	MCS13	16±2dBm	MCS0	21±2dBm
	802.11be EHT40	MCS13	16±2dBm	MCS0	21±2dBm
	802.11be EHT80	MCS13	16±2dBm	MCS0	21±2dBm
	802.11be EHT160	MCS13	16±2dBm	MCS0	21±2dBm
	802.11be EHT320	MCS13	15±2dBm	MCS0	21±2dBm
2.4GHz Receiving Sensitivity	802.11b	11M	-89dBm	1M	-95dBm
	802.11g	54M	-75dBm	6M	-92dBm

	802.11n HT20	MCS7	-72dBm	MCS0	-88dBm
	802.11n HT40	MCS7	-70dBm	MCS0	-86dBm
	802.11ax HE20	MCS11	-62dBm	MCS0	-88dBm
	802.11ax HE40	MCS11	-60dBm	MCS0	-86dBm
	802.11be EHT20	MCS13	-62dBm	MCS0	-88dBm
	802.11be EHT40	MCS13	-60dBm	MCS0	-86dBm
5GHz Receiving Sensitivity	802.11a	54M	-72dBm	6M	-92dBm
	802.11n HT20	MCS7	-68dBm	MCS0	-88dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-86dBm
	802.11ac VHT20	MCS8	-65dBm	MCS0	-88dBm
	802.11ac VHT40	MCS9	-58dBm	MCS0	-86dBm
	802.11ac VHT80	MCS9	-58dBm	MCS0	-84dBm
	802.11ax HE20	MCS11	-60dBm	MCS0	-90dBm
	802.11ax HE40	MCS11	-58dBm	MCS0	-88dBm
	802.11ax HE80	MCS11	-54dBm	MCS0	-84dBm
	802.11ax HE160	MCS11	-51dBm	MCS0	-82dBm
	802.11be EHT20	MCS13	-54dBm	MCS0	-86dBm
	802.11be EHT40	MCS13	-52dBm	MCS0	-84dBm
	802.11be EHT80	MCS13	-50dBm	MCS0	-82dBm
	802.11be EHT160	MCS13	-48dBm	MCS0	-80dBm
6GHz Receiving Sensitivity	802.11a	54M	-74dBm	6M	-92dBm
	802.11n HT20	MCS7	-72dBm	MCS0	-88dBm
	802.11n HT40	MCS7	-63dBm	MCS0	-88dBm
	802.11ac VHT20	MCS8	-60dBm	MCS0	-88dBm
	802.11ac VHT40	MCS9	-60dBm	MCS0	-88dBm
	802.11ac VHT80	MCS9	-60dBm	MCS0	-86dBm
	802.11ax HE20	MCS11	-60dBm	MCS0	-90dBm
	802.11ax HE40	MCS11	-58dBm	MCS0	-88dBm
	802.11ax HE80	MCS11	-55dBm	MCS0	-84dBm
	802.11ax HE160	MCS11	-51dBm	MCS0	-82dBm
	802.11be EHT20	MCS13	-54dBm	MCS0	-86dBm
	802.11be EHT40	MCS13	-52dBm	MCS0	-84dBm
	802.11be EHT80	MCS13	-50dBm	MCS0	-82dBm

	802.11be EHT160	MCS13	-48dBm	MCS0	-80dBm
	802.11be EHT320	MCS13	-46dBm	MCS0	-78dBm
2.4G EVM	802.11b: ≤-10 dB ； 802.11g: ≤-25 dB ； 802.11n: ≤-28 dB				
5G EVM	802.11a: ≤-25 dB ； 802.11n: ≤-28 dB ； 802.11ac: ≤-32 dB				
6GHz EVM	802.11a: ≤-25 dB ； 802.11n: ≤-28 dB ； 802.11ac: ≤-32 dB； 802.11ax: ≤-35 dB; 802.11be: ≤-38 dB				
ppm	±20ppm				
WAN	1*SFP+				
LAN	2*10/100/1000/2500M LAN				
USB	1				
Interface	SIM card slot				
5G Module	Quectel_RM520N-GL				
Power Switch	1				
Reset	1				
LED indicator	SYS, WIFI, Internet, Signal strength, Eth				
Power Supply	DC 12V/5A				
Max Power Consumption	<60W				
Size	199.2mm*130.7mm*78.8mm				
Working temperature	Working: -10°C to 40°C； Storage: -40°C to 70°C； Humidity: 5% ~ 95%(Non-Condensing)				
ESD	Air:±8K, Touch:±6K				
Electrical Surge	Common Mode: 2K, Differential Mode: 1K				

Firmware Features:

Status	Model, Firmware version, running time, load status
	Wireless, 4G/ 5G, source usage
Working mode	Gateway mode: The device is connected to the WAN through the WAN port and uses STATIC, DHCP, PPPOE or 4G/5G dial-up to access the Internet.
Wireless function	SSID broadcast
	SSID: 4(2.4GHz)+4(5GHz)+4(6GHz)
	Hide SSID
	Wireless encryption: OPEN, WPA/WPA2PSK-TKIPAES, WPA3PSK-TKIPAES
	Password setting
	Bandwidth setting
	Zone setting

	Channel setting
Advance setting	Firewall
	System
	Static Routing
	Network Diagnostics
	SQM QoS
Other setting	Cellular Network
	Wired network
	Wireless
	USSD
	DHCP server