PROSE

WiFi 7 22Gbps Ceiling Wireless AP

Model: AP-6000-AP-O-4-P-ANT-21



Short Specification

AP-6000-AP-O-4-P-ANT-21 is a high-performance, high-speed WiFi7 indoor tri-band ceiling AP that can provide 2.4GHz, 5GHz, and 6GHz tri-band wireless services, with a total of 12 streams, 4×4 (2.4GHz) + 4×4 (5GHz) + 4×4 (6GHz), 2.4GHz provides a maximum access rate of 1376Mbps, 5GHz provides a maximum access rate of 8646Mbps, and 6GHz provides a maximum access rate of 11528Mbps. The total rate is nearly 22Gbps, suitable for
high-density scenarios.

Main Features:

- Support wider channels, up to 320MHz channel.
- Supports 4096QAM, further improving transmission efficiency.
- Supports MLO (Multi-Link Operation) multi-link connection function, multi-frequency concurrency, providing a better user experience.
- Supports 10Gbps fiber optic interface and network interface at the same time, giving full play to device performance.
- Supports both PoE (802.3bt) power supply and DC power supply, making installation and deployment more convenient.

Hardware Specification:

Chipset	AP-6000-AP-O-4-P-ANT-21				
Standard	IPQ9570+ QCN9274×3+AQR113C+QCA8081				
Flash	Nand 128MB				
DDR4	1024MB×2				
2.4G Frequency	2.4GHz - 2.484GHz				
2.4G Wi-Fi standard	802.11 b / g / n / ax / be				
5G Frequency	5.150GHz ~ 5.850GHz				
5G Wi-Fi Standard	802.11 a / n / ac / ax / be				
6G Frequency	5.925GHz ~ 7.125GHz				
6G Wi-Fi Standard	802.11 a / n / ac / ax / be				
Antenna	Built-in antenna 12pcs, antenna gain: 4*1.7dBi@2.4GHz，4*4dBi@/ 5GHz, 4*4dBi@/ 6GHz				
Data Rate	2.4GHz: 1376Mbps; 5GHz: 8646Mbps; 6GHz: 11528Mbps				
2.4GHz Power	802.11b	11M	24±2dBm	1M	24±2dBm
	802.11g	54M	21±2dBm	6M	23±2dBm
	802.11n HT20	MCS7	20±2dBm	MCS0	22±2dBm
	802.11n HT40	MCS7	20±2dBm	MCS0	22±2dBm
	802.11ax HE20	MCS11	18±2dBm	MCS0	22±2dBm
	802.11ax HE40	MCS11	18±2dBm	MCS0	22±2dBm
	802.11be EHT20	MCS13	18±2dBm	MCS0	22±2dBm
	802.11be EHT40	MCS13	18±2dBm	MCS0	22±2dBm

5GHz Power	802.11a	54M	21±2dBm	6M	23±2dBm
	802.11n HT20	MCS7	18±2dBm	MCS0	21±2dBm
	802.11n HT40	MCS7	18±2dBm	MCS0	21±2dBm
	802.11ac VHT20	MCS7	18±2dBm	MCS0	21±2dBm
	802.11ac VHT40	MCS7	18±2dBm	MCS0	21±2dBm
	802.11ac VHT80	MCS9	17±2dBm	MCS0	21±2dBm
	802.11ax HE20	MCS11	18±2dBm	MCS0	21±2dBm
	802.11ax HE40	MCS11	18±2dBm	MCS0	21±2dBm
	802.11ax HE80	MCS11	17±2dBm	MCS0	21±2dBm
	802.11ax HE160	MCS11	17±2dBm	MCS0	21±2dBm
	802.11be EHT20	MCS13	17±2dBm	MCS0	21±2dBm
	802.11be EHT40	MCS13	17±2dBm	MCS0	21±2dBm
	802.11be EHT80	MCS13	17±2dBm	MCS0	21±2dBm
	802.11be EHT160	MCS13	17±2dBm	MCS0	21±2dBm
	802.11be EHT240	MCS13	17±2dBm	MCS0	21±2dBm
6GHz Power	802.11a	54M	21±2dBm	6M	23±2dBm
	802.11n HT20	MCS7	18±2dBm	MCS0	21±2dBm
	802.11n HT40	MCS7	18±2dBm	MCS0	21±2dBm
	802.11ac VHT20	MCS9	18±2dBm	MCS0	21±2dBm
	802.11ac VHT40	MCS9	18±2dBm	MCS0	21±2dBm
	802.11ac VHT80	MCS9	17±2dBm	MCS0	21±2dBm
	802.11ax HE20	MCS11	18±2dBm	MCS0	21±2dBm
	802.11ax HE40	MCS11	18±2dBm	MCS0	21±2dBm
	802.11ax HE80	MCS11	17±2dBm	MCS0	21±2dBm
	802.11ax HE160	MCS11	17±2dBm	MCS0	21±2dBm
	802.11be EHT20	MCS13	17±2dBm	MCS0	21±2dBm
	802.11be EHT40	MCS13	17±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	16±2dBm	MCS0	21±2dBm
2.4GHz receiver sensitivity	802.11b	11M	-88dBm	1M	-97dBm
	802.11g	54M	-75dBm	6M	-92dBm
	802.11n HT20	MCS7	-72dBm	MCS0	-92dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-88dBm

	802.11ax HE20	MCS11	-63dBm	MCS0	-92dBm
	802.11ax HE40	MCS11	-58dBm	MCS0	-88dBm
	802.11be EHT20	MCS13	-58dBm	MCS0	-88dBm
	802.11be EHT40	MCS13	-56dBm	MCS0	-86dBm
5GHz receiver sensitivity	802.11a	54M	-75dBm	6M	-95dBm
	802.11n HT20	MCS7	-72dBm	MCS0	-92dBm
	802.11n HT40	MCS7	-70dBm	MCS0	-88dBm
	802.11ac VHT20	MCS9	-68dBm	MCS0	-88dBm
	802.11ac VHT40	MCS9	-63dBm	MCS0	-86dBm
	802.11ac VHT80	MCS9	-60dBm	MCS0	-84dBm
	802.11ax HE20	MCS11	-60dBm	MCS0	-88dBm
	802.11ax HE40	MCS11	-58dBm	MCS0	-86dBm
	802.11ax HE80	MCS11	-54dBm	MCS0	-84dBm
	802.11ax HE160	MCS11	-52dBm	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 EHT240	MCS13	-48dBm	MCS0	-80dBm
6GHz receiver sensitivity	802.11a	54M	-75dBm	6M	-95dBm
	802.11n HT20	MCS7	-72dBm	MCS0	-92dBm
	802.11n HT40	MCS7	-70dBm	MCS0	-88dBm
	802.11ac VHT20	MCS9	-68dBm	MCS0	-88dBm
	802.11ac VHT40	MCS9	-63dBm	MCS0	-86dBm
	802.11ac VHT80	MCS9	-60dBm	MCS0	-84dBm
	802.11ax HE20	MCS11	-60dBm	MCS0	-88dBm
	802.11ax HE40	MCS11	-58dBm	MCS0	-86dBm
	802.11ax HE80	MCS11	-54dBm	MCS0	-84dBm
	802.11ax HE160	MCS11	-52dBm	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
2.4GHz EVM	802.11b: ≤-10 dB；802.11g: ≤-25 dB；802.11n: ≤-28dB；802.11ax: ≤-35 dB; 802.11be: ≤-38 dB；				
5GHz EVM	802.11a: ≤-25 dB ； 802.11n: ≤-28 dB ； 802.11ac: ≤-32 dB; 802.11ax: ≤-35 dB; 802.11be: ≤-38 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*100/1000/10000Mbps WAN, support 802.3bt PoE				
LAN	1*100/1000/2500Mbps LAN				
SFP+	1*10G SFP+				
USB 2.0	1				
Reset	1				
Power Supply	PoE 802.3bt, DC2.0 54V/1A				
Power consumption	<40W				
LED	Red, Green, Blue				
Size	220*220*42mm				
Temperature	Working: -10°C to 55°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 Specification:

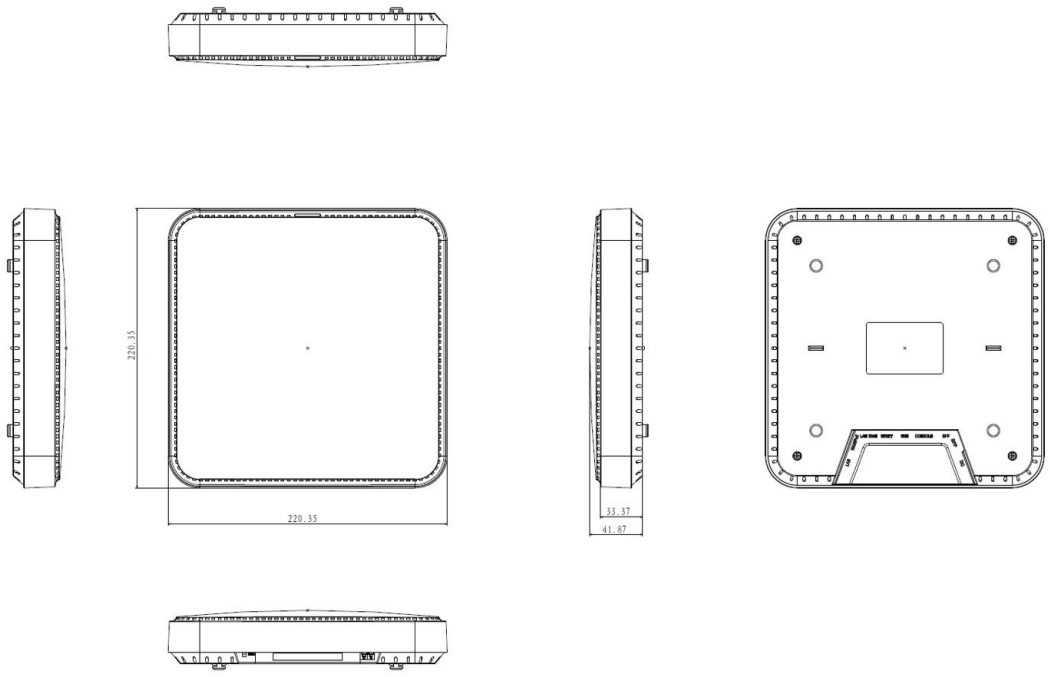
Home page	Working mode: Fat AP mode and FIT AP mode
	Wireless AP download rate, wireless AP upload rate, running time
	Device information, device description, intranet information, WIFI information
Working mode	Gateway mode: The device is connected to the WAN through the WAN port and then accesses the Internet using static IP, DHCP or PPPoE
	AP mode: The device covers other clients and devices with wireless network signals and uses Ethernet to connect to other routers to access the WAN.
Wireless	SSID Broadcast
	Number of SSIDs: 4 (2.4GHz) + 4 (5GHz) + 4 (6GHz), support Chinese SSID

	Hide SSID
	Wireless encryption: OPEN, WPA/WPA2PSK-TKIPAES, WPA3PSK-AES
	Wireless MAC address filtering: support whitelist
	Spectrum navigation (5G 6G first)
	WiFi timer off function
	User isolation: isolation between wireless networks and isolation within APs
	Transmit power adjustable
	Wireless client number limit
	QoS: WMM
Network	Connection method: static address, obtained from the management server, obtained from the gateway
	DHCP server: It can be a built-in DHCP server or an external DHCP server
	Cloud server
	Firewall
	PPPoE: Support PPPoE dial-up
Device management	Backing up configuration information
	Restore configuration information
	Restore factory settings
	Restart: including scheduled restart and immediate restart
	Firmware upgrade
	Time management: including system display time and time synchronization
	System log
	Fat and fit AP switching function

Interface:



Dimension:



Packing List:

AP	1
Lan cable	1
Mounting Accessories	1
Gift Box	1