

Outdoor WiFi AP

Model: APM6-AX3000 Pro



MossLink APM6-AX3000 Pro is an outdoor dual-band WiFi6 wireless AP, suitable for outdoor areas that require wireless coverage such as scenic spots, parks, schools, and squares. MossLink APM6-AX3000 Pro supports 2x2 11ax, and the maximum concurrent connection rate of dual-band can reach up to 3000Mbps, which can build a stable and high-speed wireless network for users. MossLink AX3000 has high-performance wireless indicators, can get a larger wireless coverage area and better wall penetration performance.

MossLink APM6-AX3000 Pro supports the access of up to hundreds of wireless terminals to meet the application scenarios of high-density wireless terminals. At the same time, MossLink APM6-AX3000 Pro also has good compatibility and supports the access of most wireless terminals on the market. Users can use mobile phones, tablets or laptops to easily connect.

MossLink APM6-AX3000 Pro supports standard 48V PoE power supply and pole installation, and the installation and configuration are flexible and convenient. Users only need to spend a short time to complete the settings, you can enjoy the fun of surfing the Internet.

Main Features:

1. Adopts WiFi6 standard with a wireless transmission rate of up to 3000Mbps, and supports dual-band transmission on 2.4GHz and 5.8GHz, enabling faster and more stable network transmission.
2. Supports Router, AP, Repeater Mode, Mesh Mode Wisp modes. With smooth software and user-friendly operation, it is easy to use.
3. Equipped with large memory, it can support over 200 concurrent users, featuring stable performance and low interference.
4. Comes with 5 pieces of 8dbi omnidirectional copper tube fiberglass antennas, which ensure strong signal and long coverage, reaching a radius of 500 meters.
5. Made of ABS + glass fiber material, it achieves IP67 protection level, with functions of rainproof, dustproof, sunproof, and anti-corrosion.
6. Complies with IEEE 802.3af/at standards. The power-receiving port adopts an isolation transformer, ensuring safe and stable power supply. It supports 48V POE power supply, and the network cable can supply power up to 100 meters.
7. The product is lightweight and easy to install, suitable for scenic spots, residential communities, schools, factories, and various outdoor application scenarios.

Hardware Spec:

Product Name	APM6-AX3000 PRO				
CPU	MT7981BA+MT7976DN				
DDR3	256MB				
FLASH	SPI NOR 16MB				
Frequency Bands	2.4GHz: 2.412GHz~2.472GHz 5GHz: 5.180GHz~5.825GHz				
Maximum wireless speed	2.4G up to 574Mbps access rate / 5.8G provides up to 2402Mbps access rate				
2.4G Transmit Power	802.11b	11M	26±2dBm	1M	26±2dBm
	802.11g	54M	25±2dBm	6M	26±2dBm
	802.11n HT20	MCS11	24±2dBm	MCS0	26±2dBm
	802.11n HT40	MCS11	23±2dBm	MCS0	26±2dBm
	802.11ax HE20	MCS11	23±2dBm	MCS0	26±2dBm
	802.11ax HE40	MCS11	22±2dBm	MCS0	26±2dBm
5.8G Transmit Power	802.11a	11M	26±2dBm	1M	26±2dBm
	802.11n HT20	54M	25±2dBm	6M	26±2dBm
	802.11n HT40	MCS11	24±2dBm	MCS0	26±2dBm
	802.11n HTE20	MCS11	23±2dBm	MCS0	26±2dBm
	802.11ax HE40	MCS11	23±2dBm	MCS0	26±2dBm

2.4G Receiving Sensitivity	802.11b	11M	85dBm	1M	90dBm
	802.11g	54M	72dBm	6M	90dBm
	802.11n HT20	MCS7	70dBm	MCS0	87dBm
	802.11n HTE40	MCS11	68dBm	MCS0	85dBm
	802.11ax HE20	MCS11	60dBm	MCS0	83dBm
	802.11ax HE40	MCS11	56dBm	MCS0	83dBm
5.8G Receiving Sensitivity	802.11a	54M	72dBm	6M	83dBm
	802.11n HT20	MCS7	70dBm	MCS0	82dBm
	802.11n HTE40	MCSs	68dBm	MCS0	93dBm
	802.11ax HE80	MCS9	58dBm	MCS0	80dBm
	802.11ax HE80	MCS11	52dBm	MCS0	84dBm
2.4G EVM	802.11b; -10dB; 802.11g; -25dB; 802.11n; -28dB; 802.11ax; -35dB				
5.8G EVM	802.11a; -25dB; 802.11n; -28dB; 802.11ac; -32dB; 802.11ax; -35dB				
ppm	±20 ppm				
2.4G antenna	3 external antennas, gain: 8dBi				
5.8G antenna	200+				
Maximum	1 10/100/1000M adaptive RJ45 interface, support 48V POE power supply				
Network interface	1 RESET reset button (long press for 10-15 seconds, can restore the default				
Reset switch	factory settings)				
Indicator light	1 LAN port indicator light; 1 green LED indicator.				
Power supply	Standard POE power supply, support 802.3at protocol;				
Maximum power	DC 12V/2A Power over Ethernet.				
Dimension	<16W				

Appearance Material	High-quality high-temperature resistant PC material	
Appearance colour	White	
Protection class	IP67	
Installation	Bracket Fixed Installation	
Accessories	AX3000 WIFI6 Outdoor Wireless AP *1.	
Use Environment	Quick Installation Guide *1, Warranty Card *1, Certificate *1, 8dBi Omni Antenna *5	
Storage temperature Operating humidity Storage humidity Accessories	Operating Temperature: -20~50	
	-30~70	
	10%~90%RH without condensation	
	10% ~ 90%RH non-condensing	
Software Specifications		
Working Mode	Fat and Fit	
Thin AP mode (FIT AP)	unified management by the wireless controller (AC)	
Fat AP mode (FAT AP)	independent web page management	
Wireless Function	independent web page management	
	SSID Broadcast+	Support
	SSID Hiding	Support
	Chinese SSID	Support
	Multiple SSID	Support
	SSID merge	Support
	Wireless encryption	WPA, WPA2, WPA-PSK, WPA2-PSK.
	User isolation	WPA, WPA2, WPA-PSK, WPA2-PSK.
	Black & white list management	Wireless network isolation, AP internal isolation
	SSID merge	Support MAC address black& white list management.
	Transmit power setting	Not supported
VLAN setting	Support SSID and VLAN binding	

Maximum number of access users	Wireless Client Number Restriction	Support
	Seamless roaming	Not supported
Users	2.4G 128 users	
	5G 128 + users	
System Management	Syslog	
	Device Management	support
	Configuration download	Support
	Remote Reboot	Support AC remote reboot
	Restore Factory Settings	Support
	Backup Configuration	Support
	Import Configuration	Support
	Software Upgrade	Support
	Ping Watchdog	Support

What's in the Box?

- ✔ 1x Wi-Fi Access Point
- ✔ 5x External Antennas
- ✔ 2x Stainless Steel Cable Ties
- ✔ 1x PoE Power Adapter
- ✔ 1x RJ45 Waterproof Head
- ✔ 2x Silicone Pads
- ✔ 1x Ethernet Cable
- ✔ 1x Screw Kit
- ✔ 1x Wrench
- ✔ 1x User Manual



