

3000Mbps Dual-Band Outdoor Wireless Access Point

Model: AP3000M



AX3000 High-Speed WiFi 6
Faster speed, larger capacity, lower latency

2402Mbps
5GHz

574Mbps
2.4GHz

MossLink

WiFi 6

AX3000

160 MHz
160MHz

OFDMA

MU-MIMO

The advertisement features a central image of a white MossLink AX3000 outdoor wireless access point with four antennas, mounted on a grey pole. The background is a scenic landscape with green hills, a small village, and snow-capped mountains under a blue sky. Blue light rays emanate from the device, suggesting signal strength. At the bottom, five blue icons represent key features: WiFi 6, AX3000, 160MHz channel width, OFDMA, and MU-MIMO.

Description:

The AP3000M is a high performance dual chip dual core outdoor wireless access point compliant with WiFi 6 (802.11ax) standard, delivering a concurrent wireless rate up to 3000Mbps. It features dual- band concurrent transmission, flexible working modes, enterprise- grade management, and IP67 waterproof outdoor design. With high power amplifiers, long range coverage, and stable PoE power supply, it provides reliable, high- speed wireless coverage for large outdoor scenarios.

Main Features:

- High performance dual chip & dual core processor for faster data processing and stable signals
- 3000Mbps concurrent Wi Fi 6: 574Mbps (2.4GHz) + 2402Mbps (5.8GHz)
- Dual band 2.4GHz & 5.8GHz concurrent operation with strong anti interference
- Supports AP, Router, Relay, WISP, and Mesh modes
- Seamless roaming, auto channel switching, and weak- signal device elimination
- Supports DFS channels, IPv6, and parental control
- 4 *external 7dBi high gain fiberglass omnidirectional antennas for full coverage
- External high- power PA & enhanced receiver for stronger signals and longer range
- IEEE 802.3af/at compliant; supports 48V standard/non standard PoE; up to 100m power distance
- 1* Gigabit WAN/LAN combo port to fully utilize gigabit broadband
- Large memory supports over 200 concurrent high- bandwidth devices
- IP67 dust proof, waterproof, corrosion resistant rugged housing
- Built- in 15KV lightning & static protection for harsh outdoor environments

Hardware Specification:

Product Name	3000M WIFI6 Outdoor wireless AP	
Product Model	AP3000M	
Hardware Specifications		
Hardware System	Master Chip	MT7981B+MT7976DAN
	Memory	256MB DDR3
	Flash	16MB
	PA	External high-power PA
Wireless Parameters	Protocol Standard	2.4G: support IEEE 802.11 b/g/n/ax 5.8G: support IEEE 802.11 a/n/ac/ax
	Frequency Range	2.4GHz: 2.412GHz~2.472GHz 5.8GHz: 5.180GHz~5.825GHz
	Wireless Speed	2.4G offers a maximum access rate of 574 Mbps. 5.8G offers a maximum access rate of 2402 Mbps.
	Transmitted Power	2.4 GHz: 20dBm

		5.8 GHz: 20dBm
	Antenna Gain	5.8G: 2 Omnidirectional Antennas * 7dBi 2.4G: 2 Omnidirectional Antennas * 7dBi
Physical Interface	Network Port	One 10/100/1000Mbps WAN/LAN combined port, supporting POE power supply
	Button	One reset button
Indicator Light	Led Indicator Light	SYS system indicator light
Power Supply /Power Consumption	Power Supply Mode	Compliant with IEEE 802.3af/at standards, supporting 48V standard POE and DC 48V / 0.5A non-standard POE power supply
	Overall Machine Power	< 15W
Product Accessories	Equipment Mainframe	1 unit of 3000M WIFI6 outdoor wireless AP (quad-rail model) main unit
	Antenna	2.4G fiberglass omnidirectional antenna * 2 5.8G fiberglass omnidirectional antenna * 2
	Power Supply	48V / 0.5A POE power supply * 1
	Install Fittings	Wire connector for waterproofing *1 Stainless steel cable ties *2 Wire *1 Wire connector fixing wrench *1 Screw case *1
	Other	User Manual *1 Certificate of Conformity *1
Appearance / Packaging / Weight	Product Size	165mm*63mm*543mm (L*W*H, Antenna height)
	Package Size	393*253*81mm
	Single Unit Weight (Gross Weight)	1.5KG
	Appearance Color	white
	Outer Box Size	528*435*420mm
	Packing Quantity	
	Net Weight	10 units per box
	Gross Weight	15KG
Other	Single Unit Weight (Gross Weight)	16.5KG
	Protection Level	IP67
	Lightning Protection Level	Built-in lightning protection device, supporting 15KV static electricity protection
	Service Environment	Operating temperature: -40°C to 55°C Storage temperature: -40°C to 70°C Operating humidity: 10% to 90% RH without condensation Storage humidity: 5% to 95% RH without condensation

Software Specifications		
Work Pattern	AP mode, relay mode, Wisp mode, Mesh main router mode, Mesh AP by mode, Mesh sub-router mode	
System Status Display	support	
Network Function	Internet Access Method	PPPOE、STATIC、DHCP
	Automatic Detection Of Internet Access Method	support
	Mac Address Cloning	support
	Network Status Display	support
	Wide Area Network Settings	support
	Local Area Network Settings	support
	Dhcp Settings	support
	Ipv6 Settings	support
Wireless Function	Country Code	Supporting global, ETSI model, China, the United States, the United Arab Emirates, Brazil, India, Russia, South Africa
	Wireless Status Display	Support
	Dual-Band Integration	Support
	Ssid Modification	Support
	Ssid Broadcasting	Support
	Ssid Hiding	Support
	Wireless Mode	2.4G supports 802.11B/G/N/AX 5.8G supports 802.11A/N/AC/AX
	Wireless Bandwidth	2.4G supports 20MHz/40MHz 5.8G supports 20MHz/40MHz/80MHz/160MHz
	Automatic Channel	Support
Parental Control Function	Channel Modification	Support
	Wireless Encryption	WPA2PSK、WPAPSKWPA2PSK、WPA2PSKWPA3PSK
	Mesh Networking	Support Up to 6 devices can be supported for Mesh networking.
	Seamless Roaming	Support
	Weak Signal Threshold For Elimination	Support
	Weak Signal Threshold For Association	Support
	Black And White List Management	Support
	Wireless Acl	Support
	Dfs Channel	Support
Parental Control Function	Parental Control Function	Support

Maximum Number Of Connected Users	2.4G	100+
	5.8G	100+
Coverage Radius	Coverage Radius	0 - 600 meters
Terminal Management	Terminal Management	Support
Qos Settings	Qos Settings	Support
Firewall	Ip/Port Filtering	Support
	Mac Filtering	Support
	Url Filtering	Support
	Port Mapping	Support
	Wan Ping Settings	Support
	Dmz Settings	Support
	Upnp Settings	Support
	Static Routing	Support
System Management	Device Management	Support for both Chinese and English WEB management interface
	Administrator Password Settings	Support
	Ntp Settings	Support
	Software Upgrade	Support
	System Log	Support
	Software Restart	Support
	Scheduled Restart Factory Data Reset	Support
	Configuration Backup	Support
	Configuration Import	Support
	Ping Test	Support
System Tools	Dhcp Test	Support
	Software Restart	Support

what's in the box

