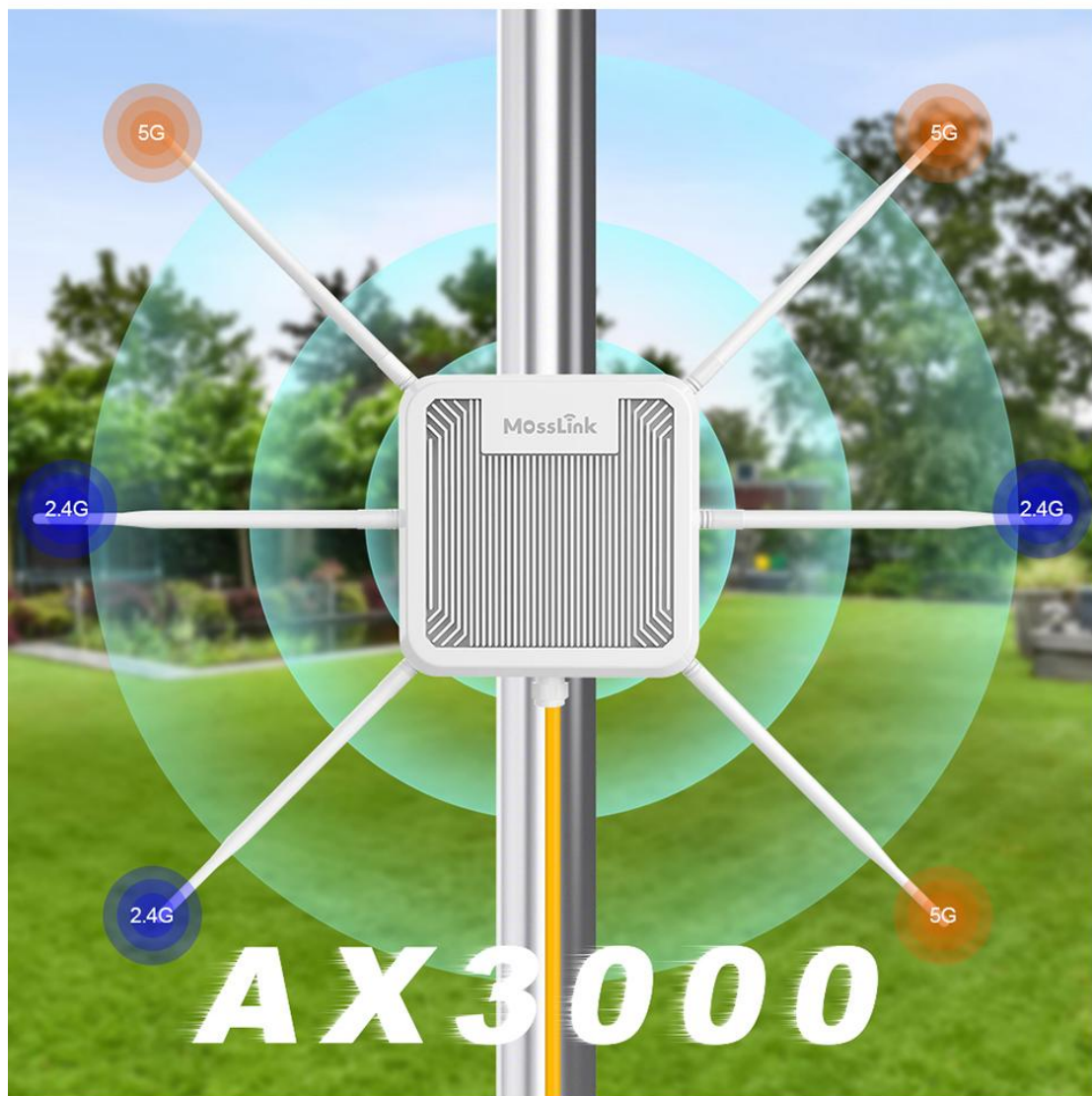


## 3000Mbps Dual-Band Outdoor Wireless Access Point

Model: APM5-AX3000



## Description:

The APM5-AX3000 is a high-performance Wi-Fi 6 (802.11ax) outdoor access point delivering 3000Mbps aggregate throughput across dual bands - 574Mbps at 2.4GHz and 2402Mbps at 5GHz. Powered by a dual-chip, dual-core platform (MT7981B + MT7976DAN) with 256MB DDR3 and a dedicated external PA, it sustains 200+ concurrent connections with consistent, interference-free performance. A full-metal IP67-rated housing with built-in 15KV surge protection ensures reliable operation in the harshest outdoor conditions. Six 7dBi omnidirectional antennas extend coverage up to 400 meters, while flexible 48V standard / non-standard PoE input and gigabit LAN allow straightforward deployment at farms, campuses, industrial parks, scenic areas, and beyond.

## Main Features:

- Wi-Fi 6 (802.11ax) dual-band: 574Mbps at 2.4GHz + 2402Mbps at 5GHz
- Dual-chip, dual-core MT7981B + MT7976DAN with 256MB DDR3 and 16MB Flash
- Six external 7dBi dual-band omnidirectional antennas; external high-power PA
- Gigabit WAN/LAN combo port - full line-rate throughput, zero bottleneck
- Supports AP, Repeater, WISP, and Mesh (Router / AP / Sub-router) modes
- Mesh networking - up to 6 nodes; seamless roaming; auto channel selection
- DFS channel support; IPv6-ready
- 48V Standard PoE (IEEE 802.3af/at) and non-standard PoE; cable reach up to 100m
- 200+ concurrent clients; stable multi-user throughput without degradation
- IP67-rated weatherproof housing - dustproof, waterproof, corrosion-resistant
- Built-in 15KV electrostatic surge protection for harsh outdoor environments
- Coverage radius up to 400 meters
- Parental controls, QoS, full firewall suite, web UI in Chinese and English

## Hardware Specification:

Product Name		3000M WIFI6 Outdoor AP
Product model		APM5-AX3000
<b>Hardware Specifications</b>		
hardware system	Main 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 The maximum access rate is up to 574 Mbps. 5.8G The maximum access rate is up to 2402 Mbps.
	transmitted power	2.4 GHz: 20dBm 5.8 GHz: 20dBm
	Antenna gain	2.4G&5.8G: 7dBi Dual-frequency omnidirectional antenna*6
Physical interface	Network interface	1 ↑ 10/100/1000Mbps WAN/LAN Composite port, supporting POE power supply
	Button	1 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 power	< 12W
product accessories	Equipment mainframe	3000M WIFI6 Outdoor AP (Gecko Model) Main Unit*1
	Antenna	2.4G&5.8G: 7dBi Dual-frequency omnidirectional antenna*6
	Power supply	48V / 0.5A POE power supply*1
	install fittings	Wire waterproof connector * 1 Stainless steel cable ties * 2 Wire * 1 Screw case * 1
	other	User Manual *1 Certificate of Conformity *1
Appearance / Packaging	product size	170mm*201 mm *57 mm (L*W*H, Does not include antenna size) 650mm*500mm*57mm (L*W*H, Antenna size included)
	Packaging dimensions	323*238*77mm
	Single unit weight (gross weight)	1.25KG
	Appearance color	white
	Outer box dimensions	500*415*345mm
	Packing quantity Net weight	10PCS/box
	Gross weight	12.5KG
	Protection level	14KG
others	Lightning protection level	IP67
	Operating environment	Built-in lightning protection device, supporting 15KV static electricity protection
	Packaging dimensions	Operating temperature: -40℃ to 55℃ Storage temperature: -40℃ to 70℃ Operating humidity: 10% to 90% RH without condensation

		Storage humidity: 5% to 95% RH without condensation
<b>Software Specifications</b>		
Work mode	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 support 802.11B/G/N/AX 5.8G support 802.11A/N/AC/AX
	Wireless bandwidth	2.4G support 20MHz/40MHz 5.8G support 20MHz/40MHz/80MHz/160MHz
	Automatic channel	support
	Channel modification	support
	Wireless encryption	WPA2PSK、WPAPSKWPA2PSK、WPA2PSKWPA3PSK
	Mesh networking	Support Up to 6 devices can be supported for Mesh networking. It is recommended to use Mesh networking for no more than 4 devices.
	Seamless roaming	support
	Weak signal threshold for elimination	support
	Weak signal association threshold	support
	White and black 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+
covering radius	Coverage radius Terminal Management	0-500 meter
Terminal Management	QoS settings	support
QoS settings	IP/Port filtering	support
firewall	MAC filtering	support
	URL filtering	support
	Port mapping	support
	Wan Ping settings	support
	DMZ settings	support
	UPNP settings	support
	Static routing Equipment Management	support
system management	Administrator password setting	support
	NTP setting Software upgrade	Support for both Chinese and English WEB management interface
	System log	support
	Software restart	support
	Scheduled restart factory data reset	support
	Configuration backup	support
	Configuration import	support
	Ping test	support
	DHCP test	support
	Seamless roaming	support
Weak signal threshold for elimination	support	
system tools	Weak signal association threshold	support
	White and black list management	support

what's in the box

