

1800Mbps Dual-Band Outdoor Wireless Access Point

Model: AP1800M



200-4000Meters

Outdoor WiFi Signal Extender

Use to solve the outdoor WiFi signal delay, buffering, too weak, etc., let you enjoy the WiFi signal outdoors without delay.

Description:

The AP1800M is a dual band outdoor wireless access point built on the WiFi 6 (802.11ax) standard, delivering a concurrent wireless rate up to 1800Mbps. Powered by a dual core processor, it ensures stable, high speed connectivity for large scale outdoor deployments. With IP67 waterproof protection, built in lightning protection, and flexible PoE support, it is engineered to operate reliably in harsh outdoor environments while supporting seamless roaming, Mesh networking, and enterprise- grade management functions.

Main Features:

- Dual core processor boosts wireless speed, capacity, and signal stability
- 1800Mbps concurrent WiFi 6: 574Mbps (2.4GHz) + 1201Mbps (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 selection, and weak- signal device rejection
- DFS channels, IPv6, and parental control supported
- 4× external 7dBi high gain fiberglass omnidirectional antennas
- Independent high power PA and signal enhanced receiver for extended coverage
- IEEE 802.3af/at compliant; supports 48V standard/non- standard PoE; up to 100m power distance
- 1× Gigabit WAN/LAN combo port for full gigabit broadband utilization
- Large memory supports over 150 concurrent devices with stable performance
- IP67 dust proof, waterproof, and corrosion- resistant enclosure
- Built- in 15KV lightning and static protection for outdoor reliability

Hardware Specification:

Product Name	1800M Wifi6 Outdoor Wireless AP	
Product Model	AP1800M	
Hardware Specifications		
Hardware System	Main Chip	MT7621AT+MT7975+MT7905
	Memory	256MB DDR3
	Flash	16MB
	Pa	Built-in PA
Wireless Parameters	Protocol Standard	2.4G: Supports IEEE 802.11 b/g/n/ax 5G: Supports IEEE 802.11 a/n/ac/ax
	Working Frequency Band	2.4GHz: 2.412GHz~2.472GHz 5.8GHz: 5.180GHz~5.825GHz
	Wireless Rate	2.4G: Maximum access rate of 574Mbps 5.8G: Maximum access rate of 1201Mbps
	Transmission Power	2.4 GHz: 20dBm 5.8 GHz: 20dBm

	Antenna Gain	5.8G: 7dBi omnidirectional antenna * 2 2.4G: 7dBi omnidirectional antenna * 2
Physical Interface	Network Interface	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 Method	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 x 1800M WIFI6 outdoor wireless AP main unit
	Antenna	2 x 2.4G antennas 2 x 5.8G antennas
	Power Supply	48V / 0.5A POE power supply * 1
	Install The Accessories	Network cable waterproof connector * 1 Stainless steel cable tie * 2 Network cable * 1 Waterproof connector fixing wrench * 1 Screw case * 1
	Others	1User manual * 1 Certificate of conformity * 1
Appearance / Packaging / Weight	Product Size	165mm * 63mm * 543mm (L * W * H, including antenna height)
	Packaging Dimensions	393*253*81mm
	Single Unit Weight (Gross Weight)	1.5KG
	Appearance Color	white
	Outer Box Size Packing Quantity	528*435*420mm
	Net Weight	10 units per box
	Gross Weight	15KG
	Single Unit Weight (Gross Weight)	16.5KG
Other	Protection Level	IP67
	Lightning Protection Level	Built-in lightning protection device, supporting 15KV static electricity protection
	Operating 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 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
	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 Threshold For Association	Support
	Black And White List Management	Support
	Wireless Acl	Support
	Dfs Channel	Support
	Parental Control	Parental Control Function

Function		
Maximum Number Of Connected Users	2.4G	80+
	5.8G	80+
Coverage Range	Coverage Area	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	Equipment Management	Support for both Chinese and English WEB management interface
	Administrator Password Setup	Support
	Ntp Settings	Support
	Software Upgrade System Log	Support
	Software Restart	Support
	Scheduled Restart Factory Data Reset	Support
	Configuration Backup	Support
	Configuration Import	Support
	Ping Test	Support
	Dhcp Test	Support
System Tools	Equipment Management	Support
	Administrator Password Setup	Support

what's in the box

