

1200Mbps Dual-Band Outdoor Wireless Access Point

Model: APM2-AC1200



Description:

The APM2-AC1200 is a high-performance 1200Mbps dual-band outdoor wireless access point featuring a rugged cylinder design with IP67 weatherproof protection. Supporting 2.4GHz (300Mbps) and 5.8GHz (867Mbps) simultaneous operation, it is ideal for demanding outdoor deployments including farms, scenic areas, residential communities, schools, and industrial sites. With flexible PoE power input (12–48V non-standard and 48V IEEE 802.3af/at standard), built-in 15KV surge protection, and support for 100+ concurrent clients, the APM2-AC1200 delivers stable, long-range wireless coverage up to 300 meters in harsh outdoor environments.

Main Features:

- 1200Mbps dual-band concurrent (2.4GHz 300Mbps + 5.8GHz 867Mbps)
- Two external 7dBi high-gain dual-band omnidirectional antennas
- Supports Router Mode, AP Mode, Repeater Mode, and WISP Mode
- Seamless roaming, auto channel selection, weak signal client rejection
- Supports DFS channels and IPv6 networking
- 12–48V non-standard PoE and 48V standard PoE (IEEE 802.3af/at), cable reach up to 100m
- 100+ concurrent clients; stable multi-user performance
- IP67-rated rugged weatherproof housing — dustproof, waterproof, corrosion-resistant
- Built-in surge protection: 15KV electrostatic discharge
- Coverage range: 0–300 meters
- Supports parental control, QoS, MAC/URL/IP filtering, and full firewall functions
- Web management interface in Chinese and English

Hardware Specification:

Product Name		1200Mbps Dual-Band Outdoor Wireless Access Point
Product Model		APM2-AC1200
Hardware Specifications		
Hardware System	Main Chip	MT7628DAN+MT7613BEN
	Memory	Built-in 64MB RAM
	FLASH	8MB
	PA	Built-in PA
Wireless Parameters	Protocol Standards	2.4 GHz: Supports IEEE 802.11 b/g/n 5GHz: Supports IEEE 802.11a/n/ac
	Operating Frequency Band	2.4GHz: 2.412GHz–2.472GHz 5GHz: 5.180GHz–5.825GHz
	Wireless Speed	2.4G provides up to 300Mbps access speed 5.8G provides up to 867Mbps access

		speed
	Transmit Power	2.4 GHz: 19 dBm ± 1 dBm 5.8 GHz: 21 dBm ± 1 dBm
	Antenna Gain	2.4 GHz / 5.8 GHz: 6 dBi dual-band omnidirectional antenna × 2
Physical Interface	Network Interface	1 x 10/100Mbps WAN/LAN combo port with standard PoE power support
	Button	1 reset button
Indicator Lights	LED Indicators	PWR, SYS, LAN, 2.4G WIFI, 5.8G WIFI, LINK
Power Supply/Power Consumption	Power Supply Method	Compliant with IEEE 802.3af/at standards, support 48V standard POE power supply
	Total Power Consumption	<10W
Product Accessories	Device	1200M Outdoor High-Power Wireless AP*1
	Antenna	2.4GHz / 5.8GHz Dual-Band Antenna*2
	Power Supply	48V / 0.5A POE Power Supply*1
	Other	User's Manual*1 Ethernet Cable*1 Certificate of Conformity*1 Cable ties*2 Installation Screw Set*1
Appearance/Packaging	Product Dimensions	Diameter 60 × 475 mm × 70 mm (H), including antenna height
	Package Dimensions	
	Outer Carton Dimensions	
	Packing Quantity	
	Appearance Color	White
	Weight (Gross Weight)	
Other	Protection Level	IP67
	Surge Protection Rating	Built-in lightning protection device, supporting 15KV electrostatic protection
	Coverage Range	0-300 meters
	Operating Environment	Operating Temperature: -40°C to 55°C Storage Temperature: -40°C to 70°C Operating Humidity: 10% to 90% RH non-condensing Storage humidity: 5% to 95% RH, non-condensing
Software Specifications		
Operating Modes	Router Mode, AP Mode, Repeater Mode, MESH Mode	
System Status Display	Supported	
Network Function	Internet Access Methods	PPPoE, STATIC, DHCP
	Automatic Internet Connection Detection	Supported

	MAC Address Cloning	Supported
	Network Status Display	Supported
	WAN Settings	Supported
	LAN Settings	Supported
	DHCP Settings	Supported
	IPv6 Settings	Supported
Wireless Function	Wireless Switch	Supported
	Wireless Status Display	Supported
	Dual-band integration	Supported
	SSID Modification	Supported
	SSID Broadcast	Supported
	SSID Hide	Supported
	Wireless Mode	2.4GHz supports 802.11b/g/n/ax 5.8GHz supports 802.11a/n/ac/ax
	Wireless Bandwidth	2.4GHz supports 20MHz/40MHz 5.8GHz supports 20MHz/40MHz/80MHz/160MHz
	Country Code	Supports debug mode, China, United States, European Union, United Arab Emirates, Brazil, India
	Auto Channel	Supported
	Channel Selection	Supported
	Wireless encryption	WPA2-PSK, WPA-PSK, WPA2-PSK, WPA2-PSK, WPA3-PSK
	Seamless Roaming	Supported
	Weak Signal Rejection Threshold	Supported
	Weak Signal Correlation Threshold	Supported
Blacklist/whitelist management	Supported	
WIFI Multimedia (WMM) Function	Supported	
Maximum Number of Users Supported	2.4 GHz	100+
	5.8 GHz	100+
Device Management	Device Management	Supported
QoS Settings	QoS Settings	Supported
Firewall	IP/Port Filtering	Supported
	MAC Filtering	Supported
	URL Filtering	Supported
	Port Forwarding	Supported
	WAN Ping Settings	Supported
	DMZ Settings	Supported
	UPNP Settings	Supported

	Static Routing	Supported
System Management	Device Management	Supports Chinese/English web management interface
	Administrator Password Setup	Supported
	NTP Settings	Supported
	Software upgrade	Supported
	System Log	Supported
	Software Restart	Supported
	Scheduled Restart	Supported
	Restore factory settings	Supported
	Configuration Backup	Supported
	Configuration Import	Supported
System Tools	Ping Detection	Support
	DHCP Detection	Support

Interface:

