

MX5012A-ME10-V Dual-Band WiFi5 Industrial Wireless Access Point

Features

- Support IEEE 802.11a/b/g/n/ac
- Maximum transfer rate 300Mbps (2.4G) & 867Mbps (5.8G)
- Support wireless bridge and routing modes, which can flexibly deploy the network by adjusting the network mode
- Support intelligent QoS function, realize voice, video, and text's priority transmission through powerful text recognition, priority setting, and priority scheduling functions to meet various business needs
- Support web management, making equipment installation and maintenance more convenient
- Support wireless controller (AC) management, realize remote centralized configuration and upgrade management
- Support 802.3at Protocol (POE)
- Support Gigabit Ethernet port, adapt to multiple types of network access
- The IP68 protection level ensure it can be suitable for a variety of environments



Description

MX5012A-ME10-V Outdoor High Performance Dual-band wireless AP, support MIMO standard, highest rate 1167Mbps, the maximum number of accesses can reach 128, supports multiple working modes of AP/Client to meet different application requirements, It adopts POE remote power supply to make network deployment easier

It using gigabit electrical port uplink to ensure wireless high-speed transmission, optimized bandwidth and network speed.

It can be flexibly applied to different network access plans and supports wireless positioning functions to meet the requirements of underground pipelines, factories, industrial parks and related areas for smart wireless coverage. It supports seamless roaming technology with automatic detection and seamless switching to ensure users can enjoy the feelingless roaming under the signal coverage.

It can provide customers with a stable full-area outdoor wireless signal and ensure the good experience of stable, high-quality and convenient network services. It also incorporates several leading core achievements to make sure stable, reliable coverage and high-throughput performance in all scenes.

Its structural design fully considers the applications in extreme industrial environments and is designed to meet the IP68 waterproof standard, making it an ideal choice for industrial-grade Wi-Fi coverage equipment.



25dBm high power

The highest output power can reach 25dBm, and the built-in omnidirectional 6dBi antenna brings excellent Wi-Fi signal coverage



Positioning service

Support wireless probe function, docking with positioning server, which can meet the positioning requirements of smart underground pipeline and



Multiple installation design

Flexible mounting design



Protection Class IP68

Protection Class reaches to IP68, suitable for a variety of environments



2x2 MIMO

Supports 2x2 MIMO standard



High throughput

Maximum transfer rate 300Mbps (2.4G) & 867Mbps (5.8G)



Gigabit Ethernet

Supports Gigabit Ethernet



POE powered

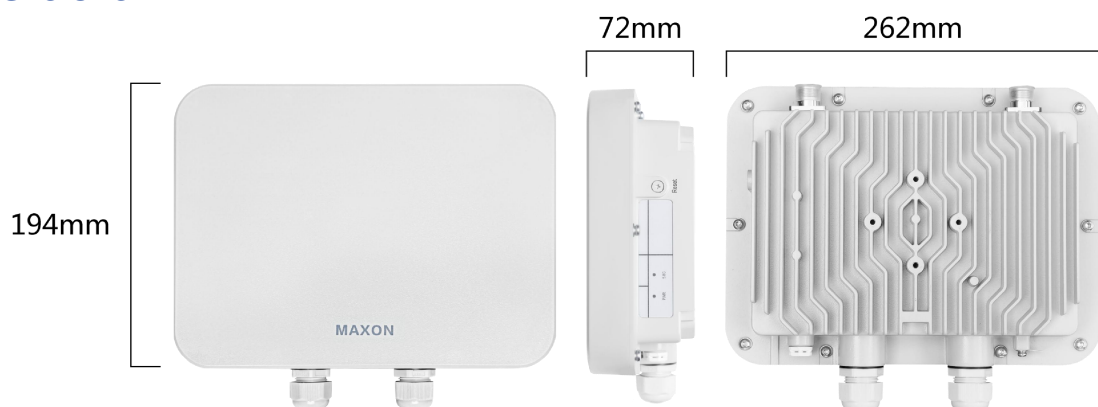
Supports 100-meter Ethernet POE power supply, which is convenient for deployment and networking

Specification

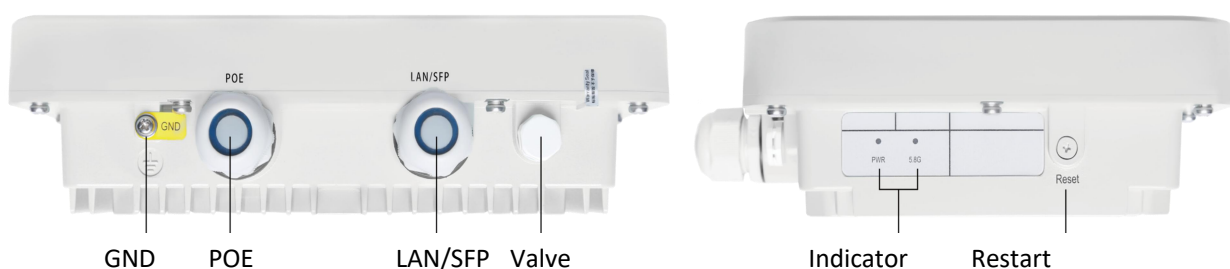
HARDWARE	Shell	Metal+PC
	Host size	262*194*72mm
	Net weight	1450g
	Installation	ceiling (standard), pole-mounted (optional)
	Waterproof	IP68
	Antenna Gain	10dBi
	Antenna Type	External dual-band Omnidirectional antenna
	Power supply	48V 0.5A POE
HARDWARE	Maximum power consumption	12W
	Maximum transmit power	2.4G: 25dBm; 5.8G: 24dBm
	Connector (WAN)	10/100/1000Mbps
	Connector (LAN)	10/100/1000Mbps
	Key	1*Reset
	Indicator	1*power, 1*2.4G, 1*5.8G
	Working temperature	-40°C~70°C/-40~158°F
	Storage temperature	-40°C~85°C/-40~185°F
	Working humidity	5%~95%RH non-condensing
	Surge immunity	POE/GE: common mode 4KV, differential mode 2KV
	Electrostatic discharge immunity	Contact discharge: 6KV, Air discharge: 8KV
	Mounting kit	2 x M25 PG waterproof connector 1 x Pole Mount Kit 1 x 48V 1.25A POE Adapter 1 x AC Power Cord 1 x Product Instruction Manual 1 x Product Certificate & Warranty Card
SOFTWARE	Protocol	802.11a/b/g/n/ac
	Maximum speed	1167Mbps (2.4G 300Mbps +5.8G 867Mbps)
	Frequency range	2.4G: 2412~2472MHz 5.8 G: 5180~5320MHz; 5745~5825MHz

SOFTWARE	Channel width	20/40/80MHz
	Working Mode	Access Point, Client, WDS Access Point, WDS Client
	Security Configuration	WPA2-PSK, Hidden SSID, IP/MAC Filtering
	Application mode	AP, Client
	Configuration management	support web configuration, support AC remote management, support SNMP management
	Ethernet software features	support IPv4/IPv6 dual protocol stack DHCP Server/Client, DNS, HTTP, IPv4, LLDP, Proxy ARP, SMTP, SNMP v2c/v3, Syslog, TCP/IP, SSH, UDP, VLAN
SOFTWARE	Dynamic frequency selection	support intelligent channel analysis & automatic optimal channel selection; support 5.8GHz DFS
	Intelligent Bandwidth Rate Limiting	Support IP and MAC-based upstream and downstream rate limiting
	IoT expansion	reserved UART interface to support IoT application expansion such as Bluetooth, ZigBee, UWB, etc.
	Intelligent Bandwidth Rate Limiting	Support IP and MAC-based upstream and downstream rate limiting
	IoT expansion	reserved UART interface to support IoT application expansion such as Bluetooth, ZigBee, UWB, etc.
	Others	Scheduled restart, QoS, Watchdog
APPLICATION	Smart factories, enterprises, underground pipelines, industrial parks, scenic spot, education campus, digital warehouse wireless coverage	

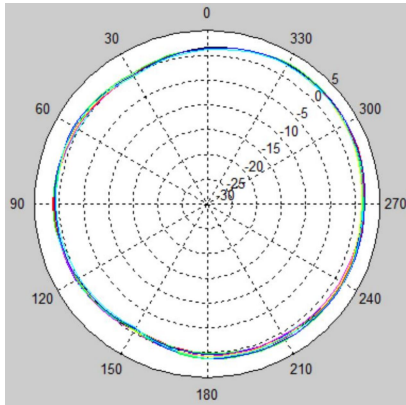
Dimensions



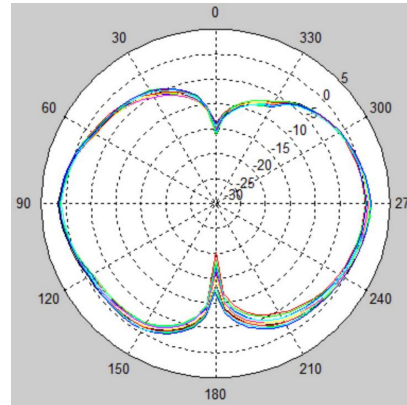
Connector



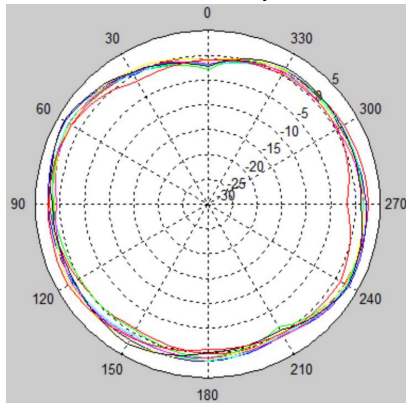
Antenna Radiation Pattern



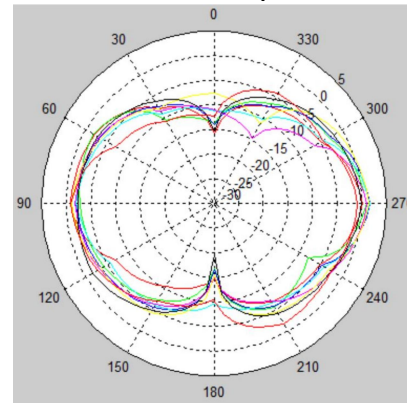
2.4G horizontal pattern



2.4G vertical pattern



5.8G horizontal pattern



5.8G vertical pattern