Nanjing Maxon Technology Co., Ltd

6F, Bldg A3, Zidong International Creative Park, Zidong Rd, Qixia District, Nanjing, China.

MD5012A-ME5-V
802.11ac Dual-band Indoor Wireless AP

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 device network mode
- Support intelligent QoS function, through powerful message identification, priority setting, priority scheduling functions, realize the priority transmission of voice, video, or specified packets, and 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 multi-type network access

Description

MD5012A-ME5-V dual-band wireless access point supports IEEE 802.11a/b/g/n/ac and MIMO.
The highest rate is up to 1167Mbps, the number of accesses can reach 128, supports AP/Client working modes to meet different application requirements.
It adopts POE remote power supply to make network deployment easier, and adopts Gigabit electrical port uplink to ensure wireless high-speed transmission; it is flexibly applicable to different network access schemes. It supports fat and fit AP mode to make sure it can be flexibly switched according to actual networking needs. Meanwhile, it supports wireless probe positioning function, supports seamless roaming technology, automatic detection and seamless switching to make sure users can roam without perception within the network signal coverage area.
MD5012A-ME5-V can provide customers with stable wireless signal coverage to ensure that customers enjoy stable, high-quality, and convenient wireless network services; it supports point-to-point and point-to-multipoint relay bridges to achieve wireless coverage in areas where wiring is inconvenient. The product integrates several industry-leading achievements to ensure stable, reliable coverage and high-throughput performance in various scenarios.

25dBm high power
The highest output power can reach 25dBm, and the external omnidirectional 5dBi antenna brings excellent Wi-Fi signal transmission

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

Easy to install
DIN rail installation

Protection Class IP66
Protection Class reaches to IP66, suitable for a variety of environments

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Nanjing Maxon Technology Co., Ltd
TEL: 86-25-51816916
WEB: www.mxcomm.cn
E-MAIL: info@maxonc.com

2x2 MIMO
Supports 2x2 MIMO

High throughput
Maximum transfer rate 300Mbps (2.4G)& 867Mbps (5.8G)
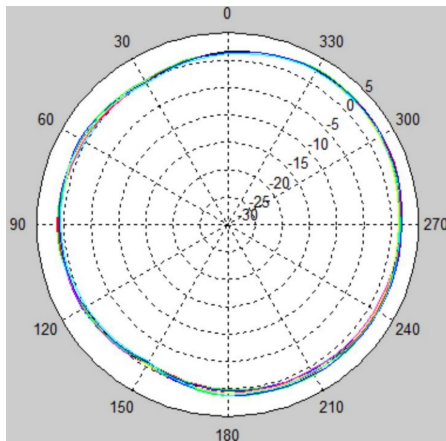
Gigabit Ethernet
Supports Gigabit Ethernet

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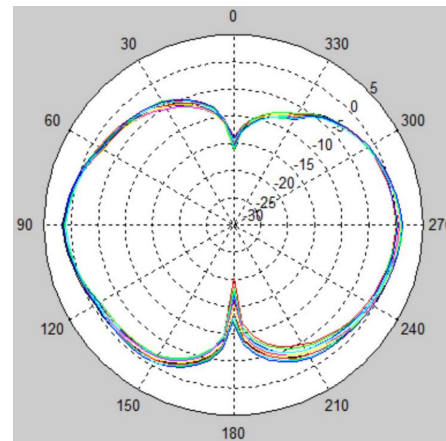
Specification

HARDWARE	Shell	Metal+PC
	Host size	200*200*50mm
	Net weight	1kg
	Protection class	IP66
	Antenna Gain	5dBi
	Antenna type	External omnidirectional
	Transmission distance	0~100m
	Power supply mode	48V 0.5A POE/DC 24V~48V
	Maximum power consumption (W)	＜12W
	Maximum transmit power	2.4G: 25dBm; 5.8G: 24dBm
	WAN Connector	100/1000Mbps
	LAN Connector	100/1000Mbps
	Working temperature	-40℃~70℃/-40~158℉
	Storage temperature	-40℃~85℃/-40~185℉
	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	1 x Product Instruction Manual 1 x Product Certificate & Warranty Card
SOFTWARE	Protocol	802.11 a/b/g/n/ac
	Maximum speed	1167Mbps
	Frequency range	2.4G: 2412~2472MHz 5.8G: 5180~5320MHz, 5745~5825MHz

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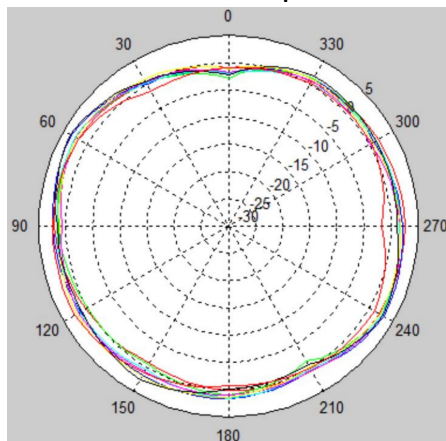| SOFTWARE	Channel width	20/40/80MHz
	Working Mode	Access Point, Client, WDS Access Point, WDS Client
	Security configuration	WPA2-PSK, hide SSID, IP/MAC filtering
	Application Mode	Access Point, Client
	Configuration management	support web configuration, support AC remote management, support SNMP management
	Ethernet software features	support IPv4/IPv6 dual protocol stack DHCP Server/Client, DNS, HTTPS, IPv4, LLDP, Proxy ARP, SMTP, SNMP, v2c/v3, Syslog, TCP/IP, SSH, UDP, VLAN
	Dynamic frequency selection	support intelligent channel analysis & automatic optimal channel selection; support 5GHz DFS
	Intelligent Bandwidth Rate Limiting	Support IP and MAC-based upstream and downstream rate limiting
	Others	Scheduled restart, QoS, Watchdog

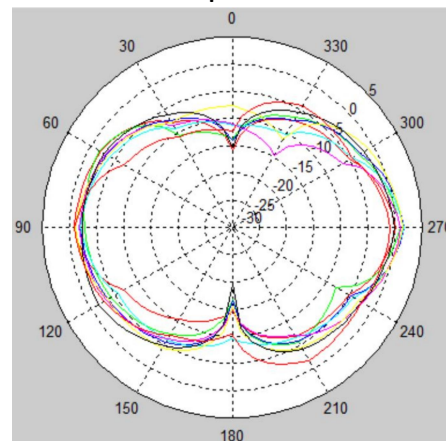## Antenna Radiation Pattern

2.4G horizontal pattern

2.4G vertical pattern

5.8G horizontal pattern

5.8G vertical pattern

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