

## MX6022A-MI6 Dual-band Outdoor WiFi6 Access Point

### Features

- Support IEEE 802.11g/gn/an/ac/ax
- Maximum transfer rate 573.5Mbps (2.4G) & 1200Mbps (5.8G)
- Support bridges and routing modes, which can be flexibly deployed by adjusting the device 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 802.3bt Protocol (POE+)
- Support ceiling-mounted and pole-mounted installation, suitable for installation in all different areas
- Protection Class IP67 is suitable for a variety of environments
- Built-in 6dBi antenna, the longest coverage distance can reach 200m



### Description

MX6022A-MI6 dual-band Outdoor WiFi6 High-Performance Wireless Access Point supports the IEEE 802.11g/gn/an/ac/ax protocol with a maximum rate of 1773.5Mbps, optimized bandwidth and network speed. Able to support multiple working modes of AP/Client to meet different application requirements. It is equipped with POE long-distance power supply to make network deployment more flexible and uses a 2.5Gbps electrical port uplink to ensure wireless high-speed transmission. It supports the switch of Fit AP and Fat AP which is flexible switching according to actual networking needs. This device supports wireless probe positioning function at the same time to meet the requirements of smart wireless coverage in the underground pipeline, factories, industrial parks, etc. It supports seamless roaming technology, automatic detection and switches seamlessly, so users can roam within the coverage of the network signal without perception. This product can provide customers with stable wireless signal coverage and ensure that customers enjoy stable, high-quality and convenient wireless network services. Support point-to-point, point-to-multipoint relay bridge mode to achieve coverage in inconvenient network wiring scenarios. The product integrates several industry-leading core achievements to ensure stable, reliable coverage and high-throughput performance in various scenarios. Its structural design fully considers applications in harsh environments and is designed to meet IP67 standards, making it an ideal choice for industrial-grade Wi-Fi coverage equipment.



#### 24dBm high power

The highest output power can reach 24dBm, and the built-in omnidirectional 6dBi antenna brings excellent Wi-Fi signal coverage



#### Positioning service

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



#### Multiple installation design

Flexible mounting design supports pole mounts



#### 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 up to  
1773.5Mbps  
(2.4G: 573.5Mbps & 5.8G: 1200Mbps)



**2.5G Ethernet**  
Supports 2.5Gigabit Ethernet



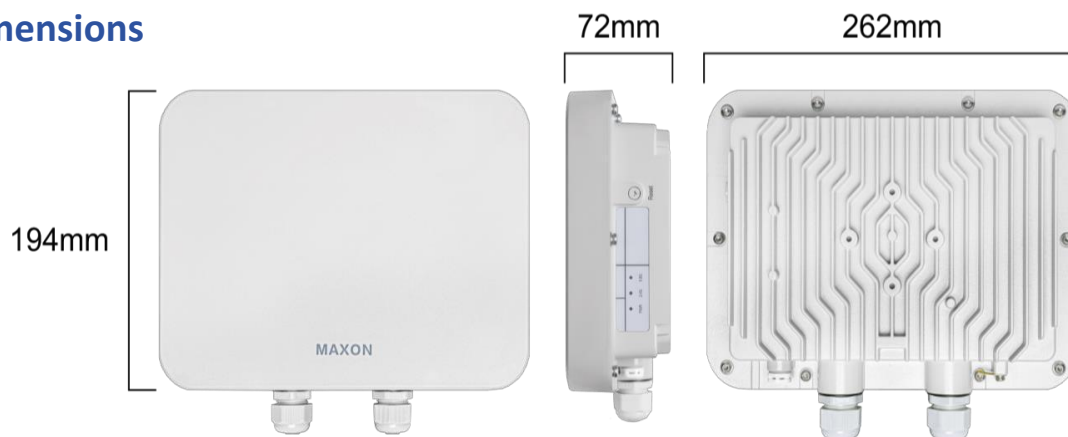
**POE powered**  
Supports 100-meter Ethernet POE  
power supply, which is convenient for  
deployment and networking

## Specification

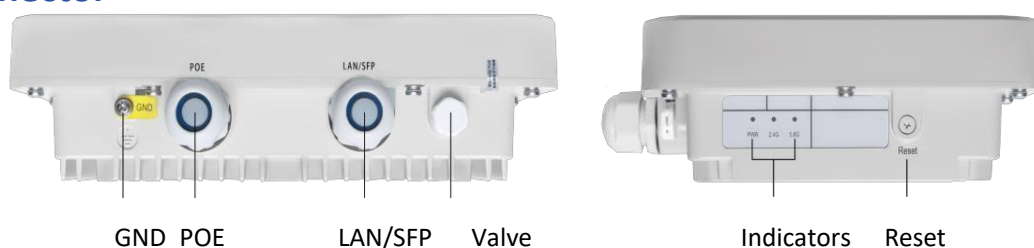
HARDWARE	Shell	Metal+PC
	Host size (mm)	262*194*72mm
	Net weight (kg)	1650g
	Installation method	Ceiling-mounted (standard); Pole-mounted (optional)
	Waterproof	IP67
	Antenna Gain	6dBi
	Antenna Type	Dual-band omnidirectional built-in antenna
	Transmission Distance	0~200m
	Power supply	48V 1.25A POE
	Max. power consumption	<18W
	Max. transmit power	2.4G: 24dBm; 5.8G: 24dBm
	Connector (WAN)	100/1000Mbps/2.5Gbps
	Connector (LAN)	100/1000Mbps/2.5Gbps
	Button	1x Reset
	Indicator	1x Power Supply, 1*2.4G, 1*5.8G
	Operating 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	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 Instruction Manual 1 x Product Certification & Warranty Card	
SOFTWARE	Protocol	802.11g/gn/an/ac/ax
	Maximum speed	1773.5Mbps
	Frequency range	2.4G: 2412~2472MHz; 5.8 G: 5180~5320MHz, 5745~5825MHz

SOFTWARE	Channel width	20/40/80MHz
	Working Mode	Access Point, Client
	Security Configuration	WPA2-PSK, WPA3-SAE
	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, 1024-QAM, MU-MIMO, UL/DL OFDMA, Network processing unit (NPU), 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 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.
	Others	Scheduled restart, QoS, Watchdog
APPLICATION	<p>Wireless video surveillance (traffic, urban community, public security, oil and gas field pipelines, forest fire prevention, security, residential and other key areas monitoring)</p> <p>Wireless video/data transmission and wireless coverage in railway, transportation, power and other industries</p> <p>Operator Wireless Mainframe Network Construction</p> <p>Wireless network coverage of rural informatization construction</p>	

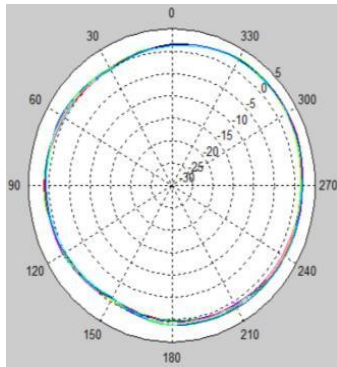
## Dimensions



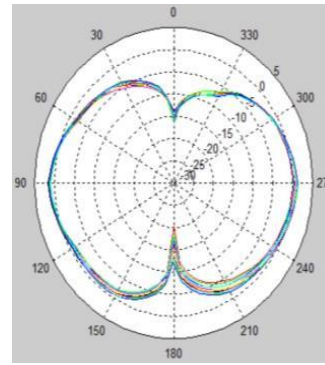
## Connector



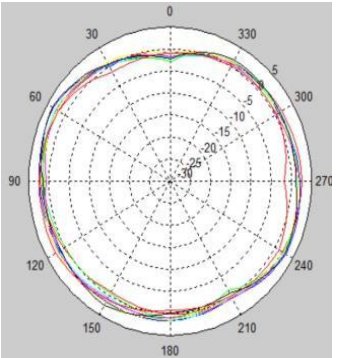
## Antenna Radiation Pattern



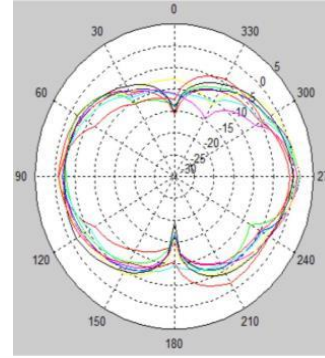
2.4G horizontal pattern



2.4G vertical pattern



5.8G horizontal pattern



5.8G vertical pattern

## Application

