

MX6023A-MI6

Tri-Band Outdoor WiFi6 High Performance Wireless Access Point

Features

- Support IEEE 802.11g/n/ac/ax standard
- Maximum transfer rate 573.5Mbps (Radio1 2.4G) & 1200Mbps (Radio2 5.8G1) & 4800Mbps (Radio3 5.8G2)
- Support wireless bridge and routing modes, which can flexibly deploy the network 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
- The system supports dual firmware switching between master and backup version, automatic synchronization backup of both parts, automatic detect & switch system failures function to enhance equipment stability and realizing automatic recovery from system failures
- Support web management, making equipment installation and maintenance more convenient
- Support wireless controller (AC) management, realize remote centralized configuration and upgrade management
- Support 802.3af Protocol (POE)
- Support ceiling-mounted and pole-mounted installation, suitable for installation in different area
- The IP68 waterproof level ensure it can be suitable for a variety of environments

*Wireless controller needs to be purchased separately



Description

MX6023A-MI6 Tri-Band Outdoor WiFi6 High Performance Wireless Access Point supports the IEEE 802.11g/n/ac/ax protocol with a maximum rate of 6573Mbps, optimized bandwidth and network speed. Able to support multiple working modes of AP/Client to meet different application requirements.

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.

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	<p>27dBm high power</p> <p>The highest output power can reach 27dBm, and the built-in omnidirectional 6dBi antenna brings excellent Wi-Fi signal transmission</p>		<p>Positioning service</p> <p>Support wireless probe function, docking with positioning server, which can meet the positioning requirements of smart underground pipeline and factory</p>
	<p>Multiple installation design</p> <p>Flexible mounting design supports both ceiling and pole mounts</p>		<p>Protection Class IP68</p> <p>Protection Class reaches to IP68, suitable for a variety of environments</p>
	<p>2x2 MIMO & 4x4 MIMO</p> <p>Supports 2x2 MIMO & 4x4 MIMO standards</p>		<p>High throughput</p> <p>Maximum transfer rate 6573Mbps</p>
	<p>KVR seamless roaming</p> <p>802.11kvr based seamless roaming</p>		<p>Ethernet port connected</p> <p>Supports 2.5G Ethernet</p>

Specification

HARDWARE	Shell	metal + PC
	Host size (mm)	262*194*72mm
	Net weight (kg)	1500g
	Installation method	ceiling installation (standard), pole-mounted installation (optional)
	Protection class	IP68
	Antenna Gain	2.4G: 6dBi 5.8G: 6dBi
	Antenna type	built-in omnidirectional antenna
	Transmission distance	0~200m

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HARDWARE	Power supply mode	48V 1.25A POE
	Maximum power consumption (W)	≤35W
	Maximum transmit power	27dBm
	Connector (WAN)	10/100/1000Mbps/2.5Gbps
	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
SOFTWARE	Mounting kit	2 x RJ45 M22 PG waterproof connector (optional SFP waterproof connector) 1 x Mounting Kit 1 x 48V 1.25A POE Adapter 1 x AC Power Cord 1 x Product Instruction Manual 1 x Product Certificate & Warranty Card
	Protocol	802.11g/n/ac/ax
	Maximum speed	6573.5Mbps
	Frequency range	2.4G: 2412~2472MHz 5.8G: 5180~5320MHz, 5745~5825MHz
	Channel width	20/40/80/160MHz
	Working Mode	WDS Access Point, WDS Client
	Security configuration	WPA2-PSK, WPA3-SAE
	Application Mode	WDS Access Point, WDS 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	

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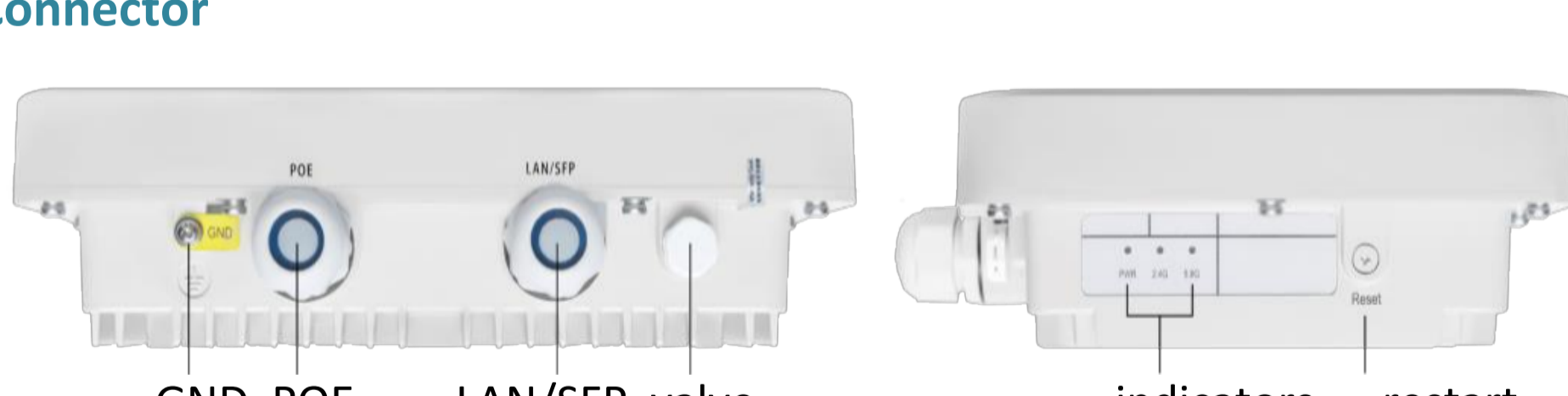
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SOFTWARE	Roaming	802.11kvr based seamless roaming
	Dynamic frequency selection	support intelligent channel analysis & automatic optimal channel selection support 5GHz DFS
	Intelligent Bandwidth Rate Limiting	Support IP and MAC-based upstream and downstream rate limiting
	IoT expansion	reserved UART interface to support IoT application expansion such as Bluetooth, ZigBee, UWB, etc.
	Others	Scheduled restart, QoS, Watchdog
APPLICATION	Wireless video surveillance (traffic, urban, public security, oil and gas pipelines, forest fire prevention and security, residential and other key areas monitoring) Wireless video/data transmission and wireless coverage in railway, transportation, power and other industries Operator Main Wireless Network Construction Wireless network coverage of rural informatization construction	

Dimensions



Connector



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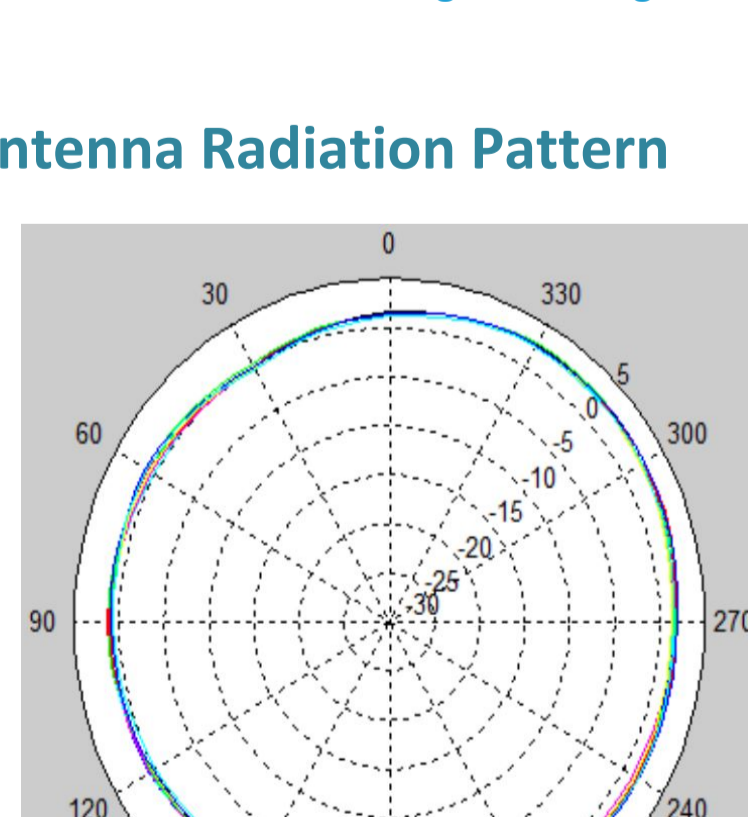
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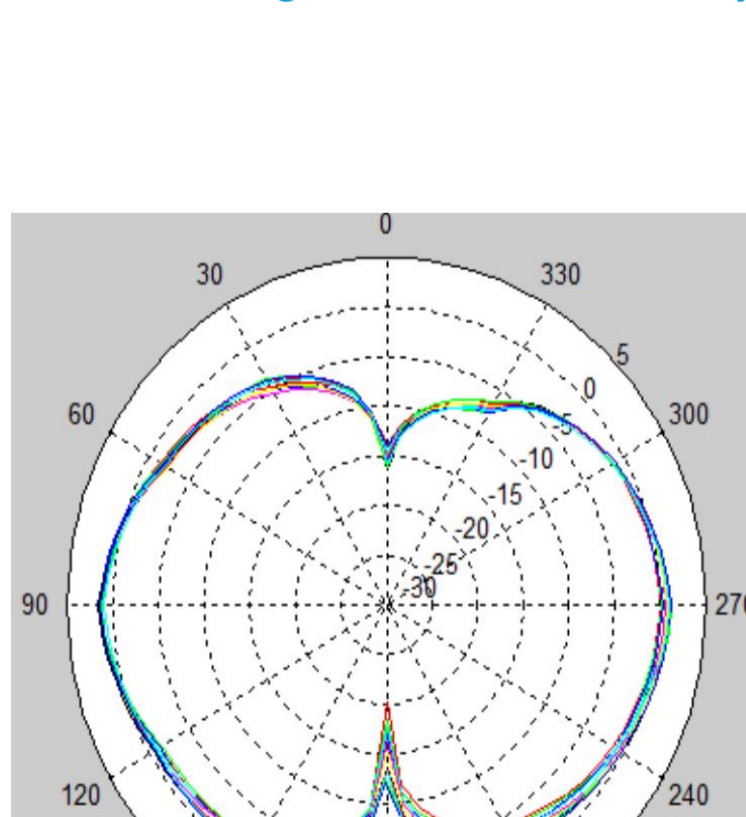
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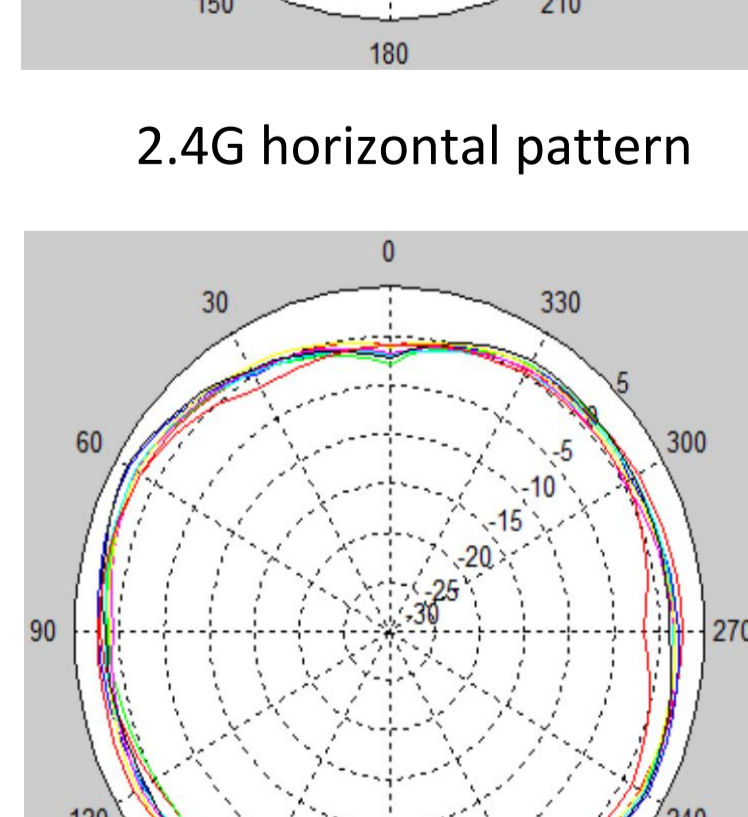
Antenna Radiation Pattern



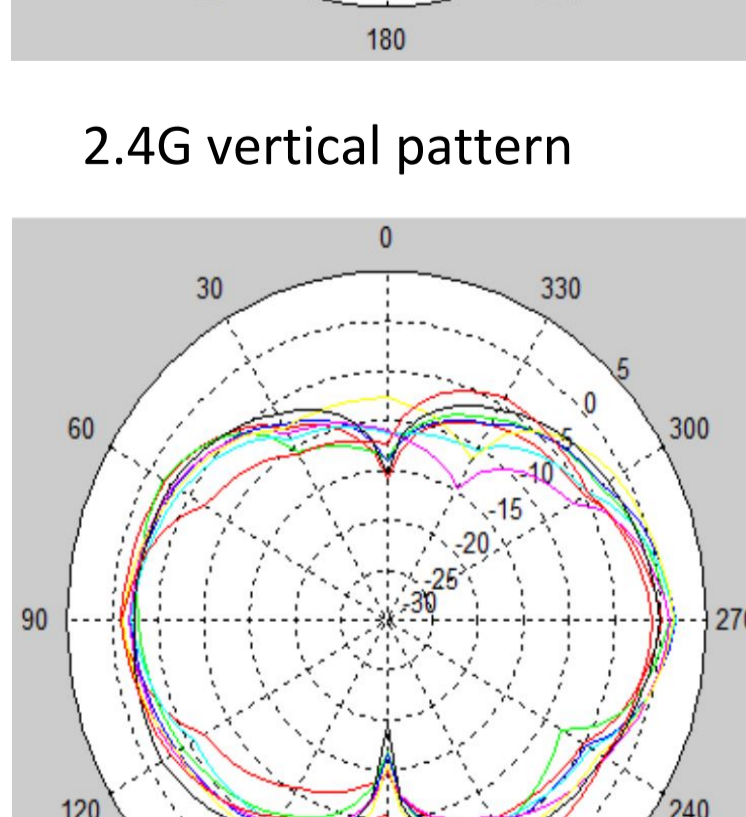
2.4G horizontal pattern



2.4G vertical pattern



5.8G horizontal pattern



5.8G vertical pattern

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