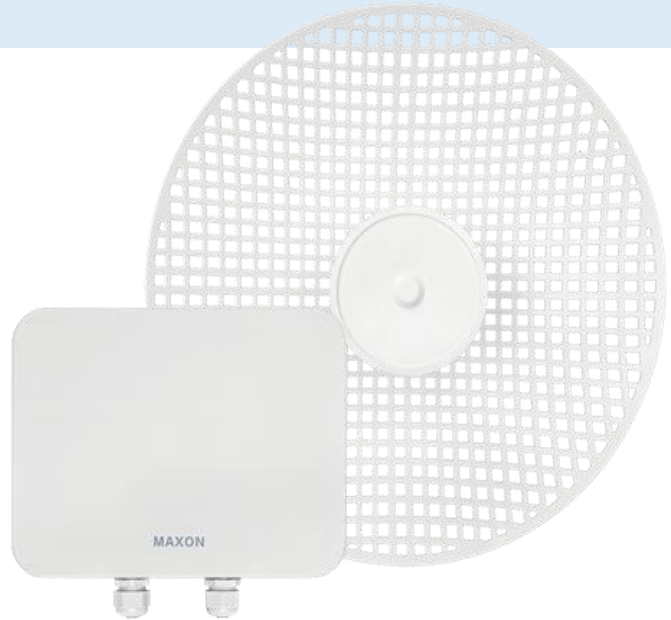


MX4011B-DE29

Outdoor 5G 802.11a/n Industrial Long-range Wireless Bridge (50km)

Features

- Support 802.11a/n standard
- 2x2 MIMO
- Maximum throughput 300Mbps
- Support intelligent QoS function, priority setting, priority scheduling functions to realize the priority transmission of voice, video, or specified messages to meet various business needs
- Support 802.3at protocol (POE)
- Pole mounted, and the horizontal and vertical adjustable
- Support Gigabit Ethernet port, adapt to multi-type network access
- Protection level IP68, suitable for various environments
- Antenna gain 29dBi, super long-distance transmission up to **50km**



Description

MX4011B-DE29 is an outdoor long-range wifi network bridge that supports IEEE 802.11a/n protocol, with a maximum transmission distance of 50km, MIMO 2*2 standard, and a maximum throughput up to 300Mbps. It can support multiple modes such as WDS access point, WDS client to meet different application requirements, and supports Gigabit Ethernet port, which is flexibly applicable to different network access.

Support PTP and PTMP networking, which can effectively solve network conflicts and hidden node problems under PTMP networks, greatly improve overall performance, provide stable wireless signal transmission, and ensure that customers enjoy stable, high-quality, and convenient wireless Internet service.

It integrates a number of industry-leading achievements to ensure stable, reliable transmission and high-throughput performance in various scenarios. It is suitable for application scenarios such as rural WISP, forest fire prevention, and solid edge engineering.

The design fully considers the application in harsh environments, and the design conforms to IP68 standards. It adopts an external high-gain parabolic directional antenna, which is an ideal choice for industrial-grade wireless base station bridge equipment.

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Nanjing MAXON O.E. TECH. CO., LTD

TEL: 86-25-86380932

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E-MAIL: info@maxonc.com

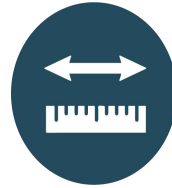
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30dBm high power

The highest output power can reach 30dBm, and the external directional 29dBi antenna brings brilliant Wi-Fi transmission distance



Long distance transmission

Ultra-long-distance, high-bandwidth backbone network transmission



Multiple installation design

Pole mound, support horizontal and vertical angle adjustment, easy to install



Protection Class IP68

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



2x2 MIMO

Supports 2x2 MIMO standard



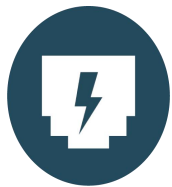
High throughput

Maximum transfer rate 300Mbps



Gigabit Ethernet

Support Gigabit Ethernet access



POE powered

Support 100-meter Ethernet POE power supply, easy to deploy and networking

Specification

HARDWARE	Shell	metal + PC
	Host size	262*194*72mm
	Net weight	1450g
	Installation	pole-mounted
	Protection level	IP68
	Antenna size	Φ600mm
	Antenna Gain	29dBi
	Antenna type	Parabolic directional antenna
	Transmission distance	0~50km

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HARDWARE	Power supply	48V 0.5A POE
	Maximum power consumption (W)	<12W
	Maximum transmit power	30dBm
	Connector (LAN)	10/100/1000Mbps or 1000Mbps SFP
	Button	1*Reset
	Indicator	1*POWER, 1*5.8G working
	Working temperature	-40℃~70℃/-40~158°F
	Storage temperature	-40℃~85℃/-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	2x M25 PG waterproof connectors 1x Parabolic directional antenna 1x Pole Mount Kit 1 x 48V 0.5A POE Adapter 1 x AC Power Cord 1 x Product Instruction Manual 1 x Product Certificate & Warranty Card
SOFTWARE	Working Protocol	802.11 a/n
	Maximum speed	300Mbps
	Frequency range	5180~5320MHz, 5745~5825MHz
	Channel width	10/20/40MHz
	Working Mode	WDS Access Point, WDS Client
	Security Configuration	WPA2-PSK, Hidden SSID, IP/MAC Filtering
	Configuration management	Support web configuration, support AC remote management, support SNMP management
	Ethernet software features	Support IPv4/IPv6 dual protocol stack DNS, HTTP, IPv4, LLDP, Proxy ARP, SMTP, SNMP v2c/v3, Syslog, TCP/IP, SSH, UDP, VLAN

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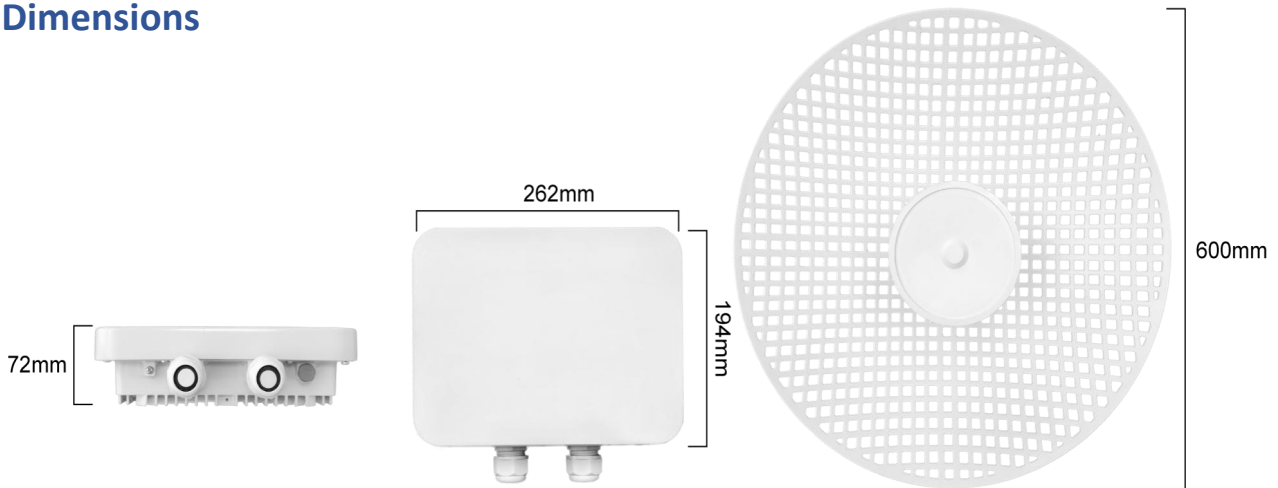
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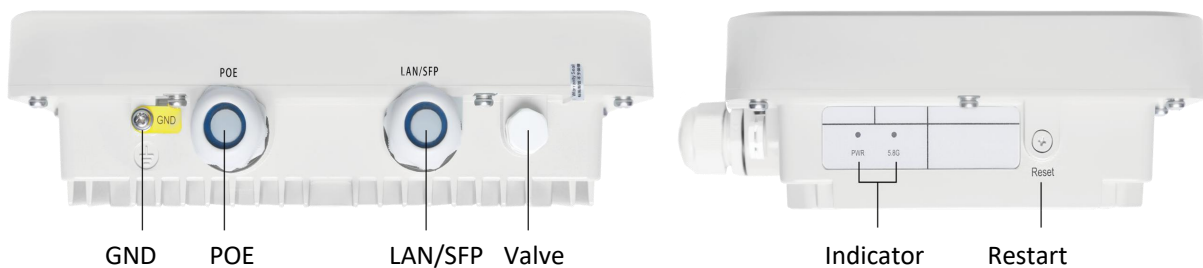
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SOFTWARE	Dynamic frequency selection	support intelligent channel analysis & automatic optimal channel selection support 5GHz DFS
	Intelligent Bandwidth Rate Limiting	Support IP and MAC-based upstream and downstream rate limiting
	Others	Scheduled restart, QoS, Watchdog
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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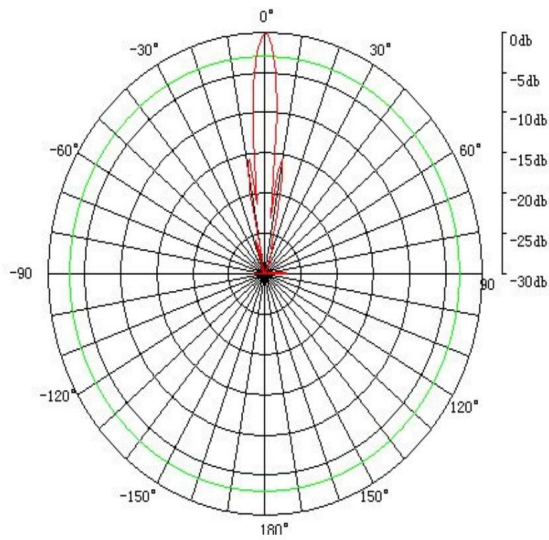
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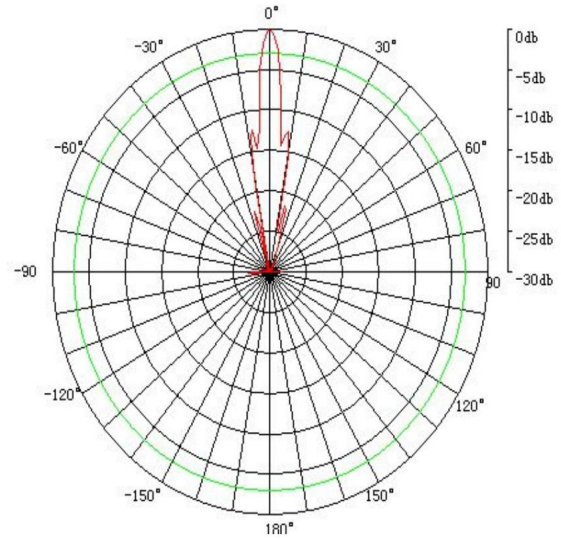
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Antenna Radiation Pattern



horizontal pattern



vertical pattern

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