

MX821-2P

Industrial Exd IIB T6 Explosion-Proof Wireless Bridge

Features

- Explosion-proof grade: Exd IIB T6 Gb/ExtD A21 IP68 T80℃
- Support 802.11an/ac/ax
- maximum throughput up to 2400Mbps
- Supports multiple application modes: Access Point, Client, WDS Access Point, WDS Client
- Support intelligent QoS function, realise various business needs by powerful packet identification, priority setting, priority scheduling function to realize the priority transmission of voice, video or messages
- Support pole mount, horizontal & vertical adjustable
- Support webpage management, making equipment maintenance more convenient
- IP68 protection level is suitable for various environments
- Support dual firmware backup
- Support 802.3at (POE+) standard power supply mode
- Support remote control and management



Description

The MX821-2P is a single-band wireless explosion-proof access equipment that supports IEEE 802.11an/ac/ax and MIMO 2*2 technology with a maximum throughput 2400Mbps.

It adopts a 2.5Gbps electrical port uplink to ensure wireless high-speed transmission with the POE+ remote power supply to make network deployment easier.

It is suitable for wireless coverage in various dangerous chemical or electric power energy and other scenarios. The product can provide customers with stable wireless signal coverage and provide stable, high-quality and convenient wireless access services.

The product integrates lots of industry-leading achievements to ensure stability makes it provide reliable coverage and high-throughput performance.

The product structure design fully considers the situation in harsh environments. It meets the explosion-proof requirements and IP68 standards. It has the characteristics of explosion-proof, mildew-proof, anti-corrosion, and lightning strike resistance.

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

Add: 6/F, Building A3, Zidong International Creative Park, Zidong Road, Qixia District, Nanjing, China.



24dBm high power

Max output power can reach 24dBm
External directional 17dBi antenna
brings excellent Wi-Fi signal
transmission



Protection Class IP68

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



2x2 MIMO

Supports 2x2 MIMO



High throughput

Maximum throughput 2400Mbps



2.5G Ethernet

Supports 2.5G SFP Ethernet



POE powered

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

Specification

HARDWARE	shell	304 stainless steel
	Size	294*229*97mm
	net weight	10.5kg
	Installation	Wall Mounted
	Protection Level	IP68
	Explosion-proof grade	Ex d IIB T6 Gb/ExtD A21 IP68 T80℃
	Antenna gain	16dBi
	Antenna type	90° sector directional antenna
HARDWARE	Transfer distance	0~3km
	Power supply	48V 1.25A POE
	Power consumption	≤18W
	Max transmit power	24dBm
	Interface (WAN)	10/100/1000Mbps/2.5Gbps
	Interface (LAN)	10/100/1000Mbps/2.5Gbps
	Indicator	Network port

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HARDWARE	Operating temperature	-40℃~80℃
	storage temperature	-40℃~85℃
	Operating 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
	installation kit	1 x Installation expansion screw package 1 x Outer Hex Tool 1 x Sector directional antenna 1 x 48V 0.5A POE Adapter 1 x AC Power Cord 1 x Product Instruction Manual 1 x Product Certificate & Warranty Card
SOFTWARE	Protocol	802.11an/ac/ax
	Maximum throughput	2400Mbps
	Frequency Range	5180~5320MHz, 5745~5825MHz
	Channel width	20/40/80MHz
	Operating mode	Access Point, Client, WDS Access Point, WDS 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 DHCP Server/Client, DNS, HTTP, 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	Supports IP and MAC-based uplink and downlink rate limiting
	IoT expansion	Reserve UART interface to support IoT application expansion such as Bluetooth, ZigBee, UWB, etc.

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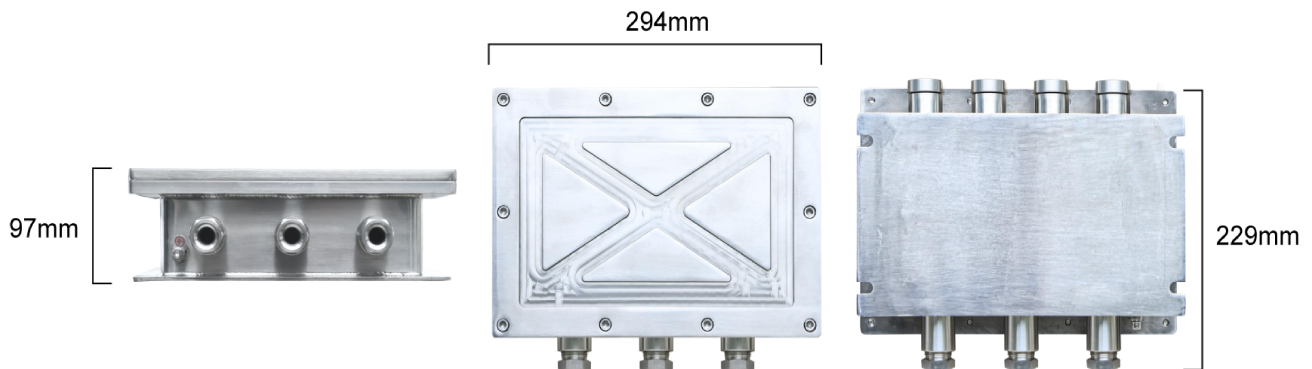
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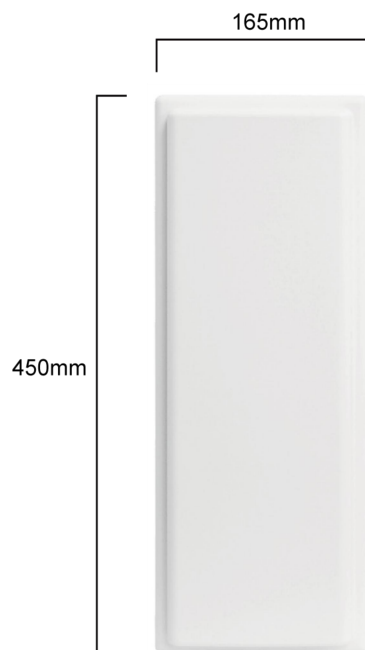
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SOFTWARE	positioning service	Support wireless probe function, docking with positioning server, which can meet the positioning requirements in scenarios such as smart underground pipeline and smart factory
	other	Scheduled restart, QoS, Watchdog

Production Dimension



Antenna Dimension



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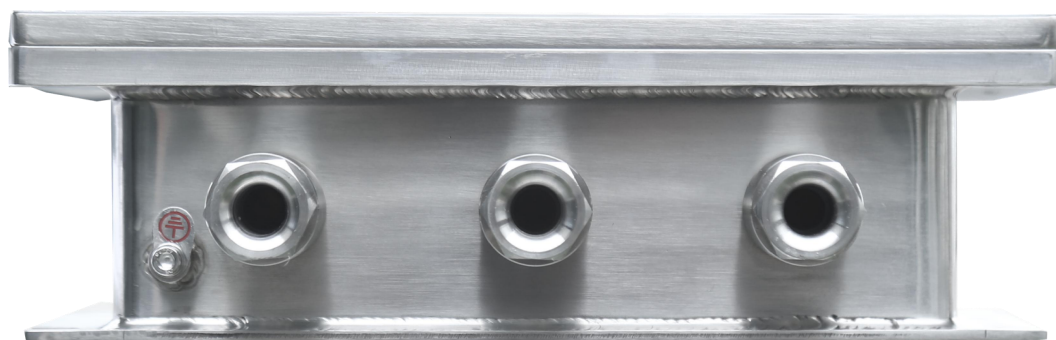
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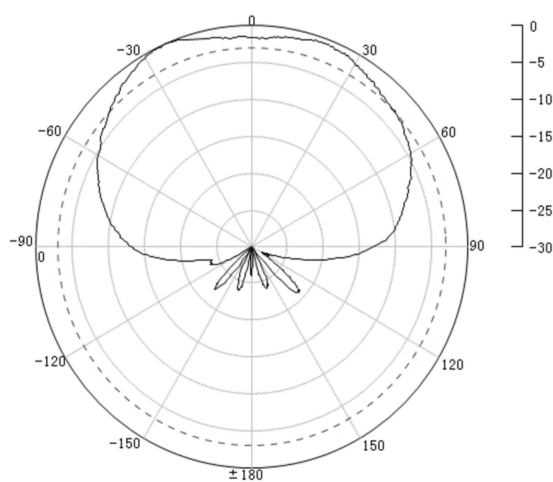
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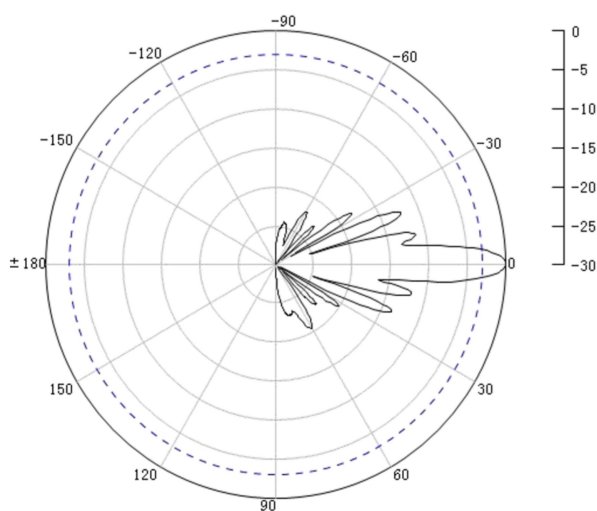
Connector



Antenna Radiation Pattern



horizontal



vertical

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