

MX6021B-DI19 Outdoor 802.11ax Wireless Bridge (5km)

Features

- Support IEEE 802.11an/ac/ax
 - Maximum transfer rate 4800Mbps
 - Intelligent wireless multimedia optimization technology, giving priority to the transmission stability of voice and video
 - Support web management, making equipment installation and maintenance more convenient
 - Support 802.3bt protocol (POE+)
 - Support pole-mounted installation, horizontal and vertical position adjustable
 - Built-in 19dBi directional antenna, ultra-long distance transmission
 - IP68 waterproof level is suitable for a variety of environments
- *Wireless controller needs to be purchased separately



Description

MX6021B-DI19 Outdoor 802.11ax High Performance Wireless Bridge supports 802.11ax 4x4 MIMO technology, the maximum transfer rate can be 4800Mbps, with the transmission distance reaching more than 5 kilometres. It is suitable for high-bandwidth and low-latency network data transmission applications and can be widely used in security monitoring, agricultural broadband coverage, operator base station's last-mile deployment and other scenes.

It can provide customers with a stable 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 Wireless Bridge.

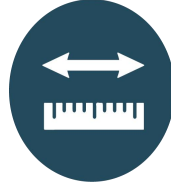
Nanjing MAXON O.E. TECH. CO., LTD

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26dBm high power

The highest output power can reach 26dBm, and the built-in directional 4x4 MIMO 19dBi antenna brings excellent Wi-Fi transmission distance



Long distance transmission

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



Multiple installation design

Rod type installation design, support horizontal and vertical angle adjustment, easy to install



Protection Class IP68

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



4x4 MIMO

Supports 4x4 MIMO standard



High throughput

Maximum transfer rate 4800Mbps



2.5G Ethernet

Support 2.5G Ethernet access



POE powered

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

Specification

HARDWARE	Shell	metal + PC
	Host size	370*370*95mm
	Net weight	8.5kg
	Installation	pole-mounted
	Protection level	IP68
	Antenna Gain	19dBi
	Antenna type	built-in directional antenna
	Transmission distance	0~5km
	Power supply	48V 1.25A POE

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HARDWARE	Maximum power consumption (W)	≤30W
	Maximum transmit power	26dBm
	Connector (WAN)	10/100/1000Mbps/2.5Gbps
	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
	Installation kit	1 x RJ45 M22 PG waterproof connector 1 x Mounting Bracket Kit 1 x 48V 1.25A POE Adapter 1 x AC Power Cord 1 x Product Instruction Manual 1 x Product Certificate & Warranty Card
SOFTWARE	Working Protocol	802.11an/ac/ax
	Maximum speed	4800Mbps
	Frequency range	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 DNS, HTTP, IPv4, LLDP, Proxy ARP, SMTP, SNMP v2c/v3, Syslog, TCP/IP, SSH, UDP, VLAN

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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
	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



POE

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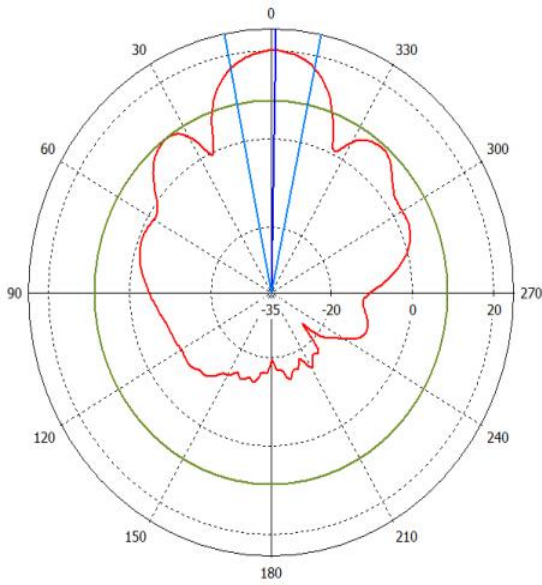
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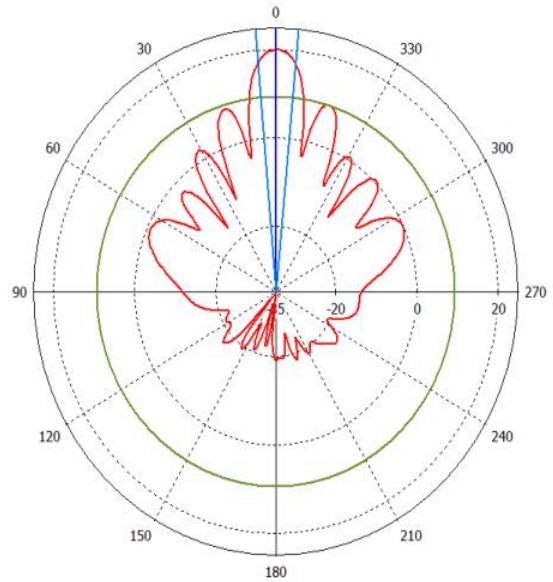
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Antenna Radiation Pattern



horizontal pattern



vertical pattern

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