

## MX811-2P Industrial Explosion-Proof Wireless Bridge

### Features

- Explosion-proof grade: Exd IIB T6 Gb/ExtD A21 IP68 T80°C
- Application: chemical enterprises, oil fields, coal mines, underground pipelines and other fields
- Support 802.11ac standard and 2x2 MIMO, the maximum transmission rate is 867Mbps
- Supports multiple application modes: Access Point, Client, WDS Access Point, WDS Client
- Support point-to-point transmission
- Wireless multimedia optimization shaping technology to ensure the stability of video and traffic transmission
- Unique antenna, RF amplifier, and low-noise receiver design ensure the reliability of long-distance video data transmission
- Customize scenes and modes for users, which is convenient for non-professionals to use and assemble
- Support dual firmware backup
- Support 802.3at standard power supply mode



### Description

MX811-2P Industrial Explosion-Proof Wireless Bridge is a powerful 802.11a/n/ac 5G industrial-grade, long-distance, explosion-proof wireless transmission equipment.

It has built-in industry-leading wireless technologies, including MIMO, TDMA, etc. It combined the characteristics of long transmission distance, high throughput and strong anti-interference.

Its structure fully considers the application in harsh environments, the design conforms to the waterproof IP68 standard with the characteristics of explosion-proof, mildew-proof, anti-corrosion, and lightning resistance. Therefore, it can be deployed in almost all kinds of extreme environments.

### Specification

HARDWARE	processor	IPQ4028
	Storage	256MB DDR3L, 32MB Flash
	Power supply	48V PoE
	Installation	Wall mounted
	Explosion-proof	Exd IIB T6 Gb/ExtD A21 IP68 T80°C
	waterproof	IP68
	Operating temperature	-40°C~80°C

HARDWARE	storage temperature	-40°C~85°C
	Operating humidity	5%~95%RH non-condensing
	Size	294*229*97mm
	Network connector	10/100/1000M Base-TX (Cat. 5/5E, RJ-45) Ethernet port
ANTENNA	agreement	802.11 a/n/ac
	Working frequency	5180~5320, 5745~5825MHz (support frequency extension, extended range: 4920~6100MHz)
	Antenna gain	16dBi
	Antennal lobe	90° horizontal, 8° vertical
	Operating mode	Access Point, Client, WDS Access Point, WDS Client
SOFTWARE	encryption authentication	WPA/WPA2, hidden SSID, IP/MAC filtering
	network mode	bridge, router
	Configuration management	web configuration, AC remote management, SNMP management
	software upgrade	webpage upgrade, AC remote upgrade

## Radio Frequency Parameters

	TRANSMIT POWER			RECEIVE SENSITIVITY		
	RATE	POWER	TOLERANCE	RATE	SENSITIVITY	TOLERANCE
11a	6Mbps	27dBm	+/- 2dBm	6Mbps	-85dBm	+/- 2dBm
	54Mbps	24dBm	+/- 2dBm	54Mbps	-70dBm	+/- 2dBm
11n	HT20_MCS0	27dBm	+/- 2dBm	HT20_MCS0	-85dBm	+/- 2dBm
	HT20_MCS7	23dBm	+/- 2dBm	HT20_MCS7	-65dBm	+/- 2dBm
	HT40_MCS8	27dBm	+/- 2dBm	HT40_MCS8	-82dBm	+/- 2dBm
	HT40_MCS15	23dBm	+/- 2dBm	HT40_MCS15	-62dBm	+/- 2dBm
11ac	HT20_MCS0	27dBm	+/- 2dBm	HT20_MCS0	-85dBm	+/- 2dBm
	HT20_MCS8	22dBm	+/- 2dBm	HT20_MCS8	-60dBm	+/- 2dBm
	HT40_MCS0	27dBm	+/- 2dBm	HT40_MCS0	-82dBm	+/- 2dBm
	HT40_MCS9	21dBm	+/- 2dBm	HT40_MCS9	-55dBm	+/- 2dBm
	HT80_MCS0	27dBm	+/- 2dBm	HT80_MCS0	-79dBm	+/- 2dBm
	HT80_MCS9	21dBm	+/- 2dBm	HT80_MCS9	-52dBm	+/- 2dBm