# MX911-2P
# Industrial Explosion-Proof Wireless Bridge

## Features

- Explosion-proof grade: Exd IIC T6 Gb/ExtD A21 IP68 T80℃
- 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

MX911-2P 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 | QCA9557+QCA9882 |
| | Storage | 128MB DDR2, 16MB Flash |
| | Power supply | 48V PoE |
| | Installation | Wall mounted |
| | Explosion-proof | Exd IIB T6 Gb/ExtD A21 IP68 T80℃ |
| | waterproof | IP68 |
| | Operating temperature | -40℃~80℃ |


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|---|---|---|
| HARDWARE | storage temperature | -40℃~85℃ |
| | 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 | 17dBi |
| | 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 |