

## Industrial Dual 802.11 ac 2.4G/5G 2T2R MIMO Wireless AP

# JetWave 2212G



- Dual Band configurable: 802.11 a/b/g/n/ac 2.4G/5G Band
- 802.11n 2T2R MIMO doubles data rate up to 867Mbps per radio
- Remote management by Web GUI, SNMP
- Dual Gigabit Ethernet Port Bridge
- Firewall/DMZ
- Remote management by Web GUI, SNMP
- Dual 24V(12-48V) DC Redundant
- Wide Temperature, Heavy Industrial Grade design



802.11ac



Gigabit



PoE



Heavy  
Industrial



Super  
Roaming

## Overview


The JetWave 2212G is an industrial 802.11a/b/g/n/ac Wireless AP which offers a high performance and reliability wireless solution for both 2.4G and 5G radio band. With the JetWave 2212G wireless access point, a network designer will easily achieve the integration of wired and wireless networks. With the new generation 802.11ac MIMO technology, the multi-radio offers a high data rate of up to 867Mbps per radio, provide flexible wireless backbone deployment options.

JetWave2212G also supports remote management, firewall(port filter). The industrial grade design supports dual 24V(12-48V)DC input, Digital Output, wide operating temperature and heavy industrial grade environment protection.




# JetWave2212G

## WIFI SPEC



**2T2R MIMO data rate up to 867Mbps**



**802.11 a/b/g/n/ac  
2.4G/5G Band**

## Wireless Mode

**AP Client**  
**WDS-AP/Client**



## CPU/Module

**CPU** 

**High-Performance**  
**High-Reliability**




**fast**

## Interface

**2 x Gigabit Ethernet Port Bridging**




**DO**  
**1 x Digital output**



## Power Input

**Dual 24V(9~30V) DC Redundant**  
**Passive POE (24/48V)**



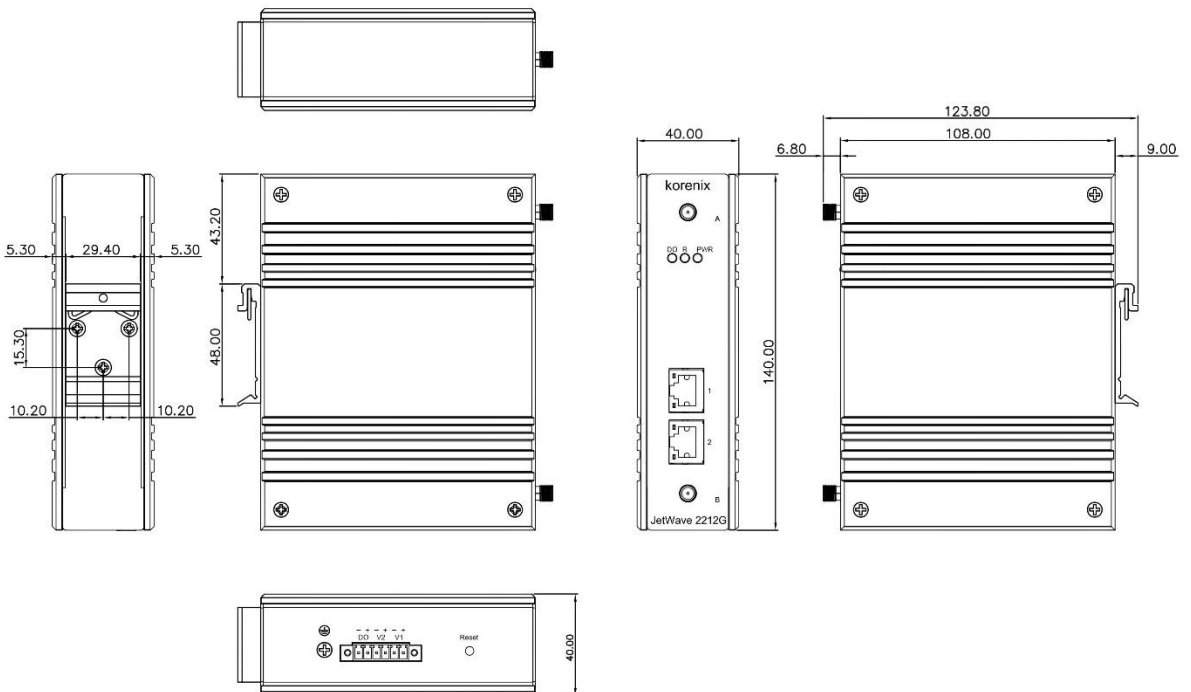

## Range

**Default Antenna**  
**Up to 100M**  
**Optional up to 300M**

## Certificate

**CE (Band 1)**  
**FCC(Band 1/4/5)**  
**E-Mark**

## JetWave 2212G ID DIM Rev. 0.0 20180920



## Specification

| Technology          |   |
|---------------------|---|
| Standard            | IEEE 802.3 for 10BaseT,<br>IEEE 802.3u for 10/100Base-TX,<br>IEEE 802.3ab for 1000BaseT,  |
| Interface           |   |
| Ethernet Port       | 2x 10/100 /1000 -Base-T(X) RJ-45  |
| Wifi                | IEEE802.11a/b/g/n/ac  |
| Power Input         | 2x 24VDC (9-48VDC) input  |
| Relay Output        | 1xRelay Output(LAN1/LAN2), 1A@24VDC   |
| Serial interface    | N/A   |
| Reset               | Reset Switch, Reset to Default over 7 seconds   |
| LED                 | PWR, Radio 1, Eth 1, Eth 2  |
| SMA Antenna Socket  | 2 sockets available   |
| WIFI                |   |
| Standard            | 5G 802.11ac/2.4G 802.11n Software Selectable  |
| Operating Frequency | FCC : 2.412-2.462GHz, 5.180 ~ 5.240GHz, 5.725-5.825 GHz<br>CE : 2.412-2.472GHz, 5.180 ~ 5.240GHz, 5.500 ~ 5.700 GHz<br>(Programmable for different country regulations) |
| MIMO                | 2T2R  |
| RF Modulation       | 802.11g/n: OFDM (BPSK,QPSK,16QAM,64QAM, 256QAM)   |
| RF Output Power     | 2.4G 11n 20/40MHz: up to 21dBm;<br>5G 11ac/n 20/40/80MHz: up to 19dBm<br><20dB EIRP for CE (ETSI 300 328, include 4.6/3.5dBi default antenna)                           |
| RF Sensitivity      | 2.4G 11n 20/40MHz: -70~-94dB,<br>5G 11ac/n 20/40/80MHz: -60~-90dB (Check User Manual)   |
| Attached Antenna    | 5G 4.6dBi/2.4G 3.5dBi omin-direction, -40-85°C temperature, RP SMA Plug, White Color  |

| Management            |   |
|-----------------------|---|
| Management            | Web GUI, Telnet, SNMP, IP Setup, Management VLAN ID, Configuration Backup/Restore, Firmware Upgrade, Reload Default, Ping, DO Events, DO Alarms, SMTP |
| SNMP                  | Simple Network Management Protocol v1/v2c/v3, Function-based MIB  |
| Status                | System Information, Bridge Table, ARP Table, DHCP Client List   |
| SNMP Trap             | SNMP Trap to specific server  |
| System Log            | System events log   |
| Utility/NMS           | KorenixView Utility (TBD)   |
| Reliability           |   |
| Alert tool            | Built-in RTC  |
| Reboot trigger        | Build-in Watchdog   |
| Security              |   |
| Secured Access        | HTTPS, SSH, IEEE 802.1X, Radius Server  |
| Firewall              | UDP/TCP   |
| Power Requirement     |   |
| Power                 | Dual DC24V (12-48VDC) input Passive PoE 24/48VDC  |
| Power Consumption     | Standby Mode: 2.64W (TBD)<br>Full Load: Max. 6.24 Watts (TBD)<br>*Suggest to reserve 15% tolerance power in practical installation.                   |
| Mechanical            |   |
| Enclosure             | Aluminum housing  |
| Mounting              | Din-Rail, Desktop   |
| Dimension             | 140 mm(H) x 110 mm(D) x 33 mm(W)  |
| Weight                | 600g with package   |
| Environmental         |   |
| Operating Temperature | -40 - 75°C  |
| Operating Humidity    | 5% - 95% (operating)  |
| Storage Temperature   | -40 - 85 °C   |
| Approvals             |   |
| Certification         | CE EN55022/55024, FCC part 15B Class A E-Mark   |
| EMS                   | EN61000-4-2/3/4/5/6/18 EN50121-4  |
| Safety                | EN60950-1   |
| Warranty              | 5 years   |