

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

fast



Wireless Mode

AP
Client
WDS-AP/Client



CPU/Module

CPU



High-Performance
High-Reliability



Interface

2 x **Gigabit** Ethernet Port
Bridging




DO
1 x Digital output



Power Input

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



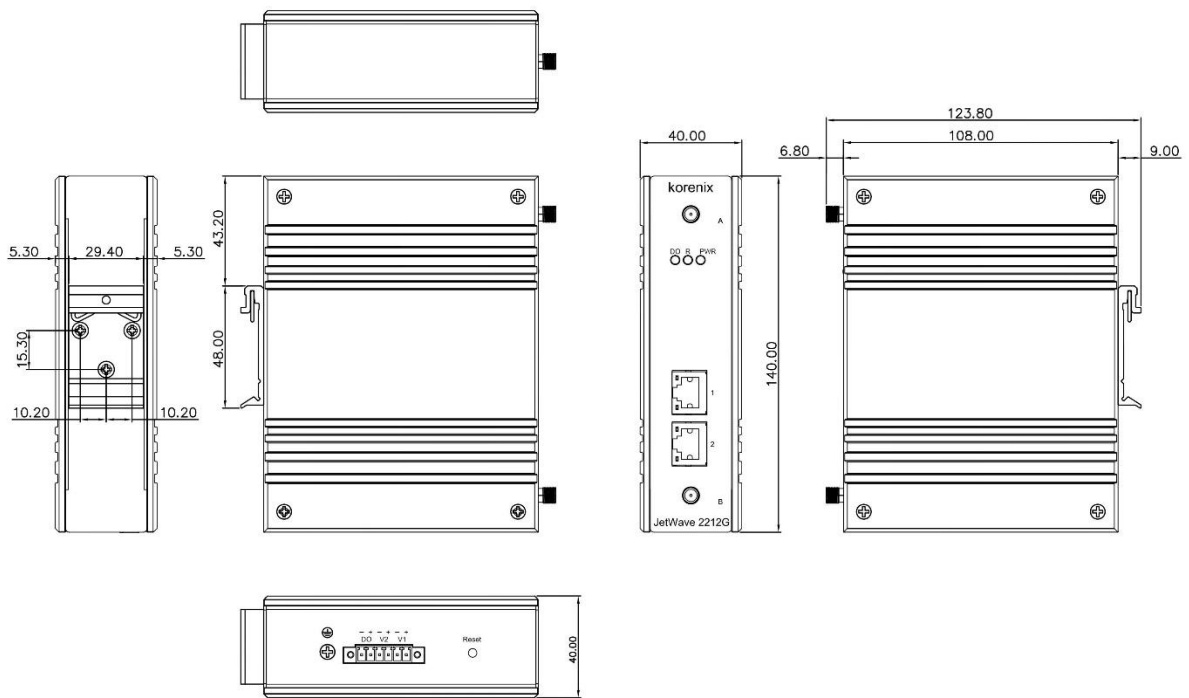

Range

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, IEEE 802.3u for 10/100Base-TX, 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 CE : 2.412-2.472GHz, 5.180 ~ 5.240GHz, 5.500 ~ 5.700 GHz (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; 5G 11ac/n 20/40/80MHz: up to 19dBm <20dB EIRP for CE (ETSI 300 328, include 4.6/3.5dBi default antenna)
RF Sensitivity	2.4G 11n 20/40MHz: -70~-94dB, 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) Full Load: Max. 6.24 Watts (TBD) *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