

Industrial 802.11a/b/g/n 2.4G/5G 2T2R MIMO Wireless Client

JetWave 2211C



- Radio configurable: 802.11 a/b/g/n 2.4G/5G Band
- 802.11n 2T2R MIMO doubles data rate up to 300Mbps
- 1 Fast Ethernet Port Bridging
- Remote management by Web GUI
- 24V(9-48V) DC power input/Passive PoE power input
- Wide Temperature, Heavy Industrial Grade design
- DI + DO design



Heavy
Industrial



Super
Roaming



MIMO



Wide Temp

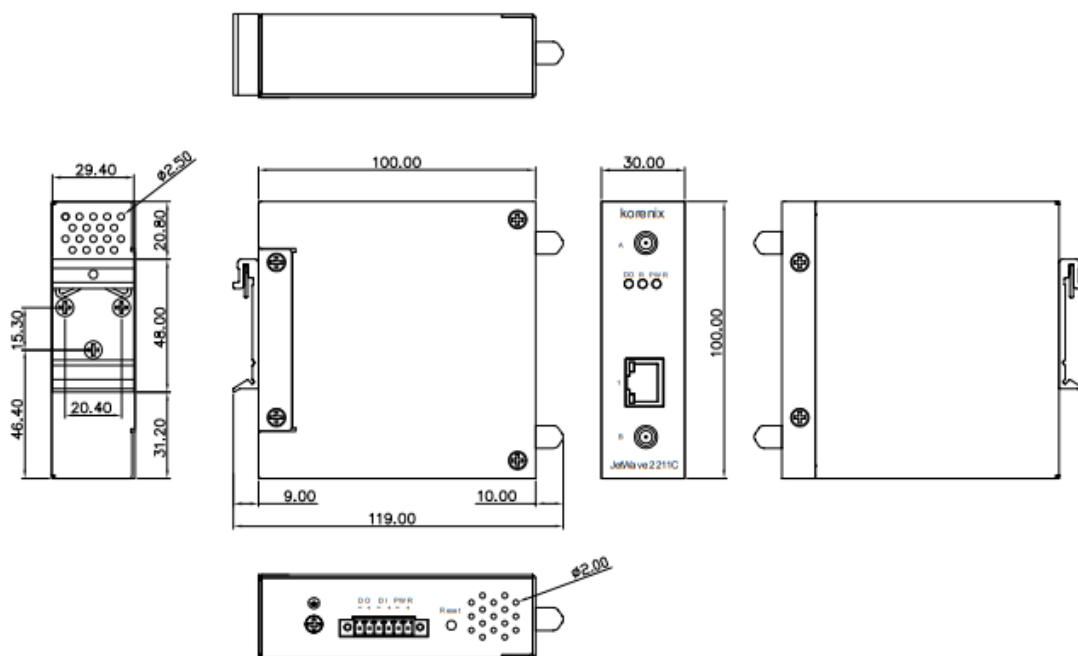
Overview

The JetWave 2211C is an industrial 802.11a/b/g/n Wireless Client which offers a high performance and reliability wireless solution for 2.4G/5G radio band. With the JetWave 2211C wireless access point, a network designer will easily achieve the integration of wired and wireless networks. With the new generation 802.11n MIMO technology, the radio offers a high data rate of up to 300Mbps, provide flexible wireless backbone deployment options.

The JetWave 2211C can function as an CPE, WDS modes for different point to point or point to multiple point network application.

JetWave2211C also supports remote management. The industrial grade design supports 24V(9-48V)DC input, Digital Output, wide operating temperature and heavy industrial grade environment protection.

JetWave 2211C ID DIM 20190815



Specification

| Technology | |
|--|---|
| Standard | IEEE 802.3 for 10BaseT IEEE 802.3u for 100 Base-T(X) IEEE 802.11a/b/g/n for Wireless LAN IEEE802.11i Wireless security |
| Interface | |
| Ethernet Port | 1x 10/100 Base-T(X) RJ-45 |
| Wifi | IEEE802.11a/b/g/n |
| Power Input | 1 x 24VDC (9-48VDC) input |
| Relay Output | 1xRelay Output, 1A@24VDC |
| Reset | Reset button, Reset to Default over 7 seconds |
| LED | DO, Radio, Power |
| SMA Antenna Socket | Dual Band Dipole SMA Antenna ,2.4GHz 2dBi ,5GHz 3dB |
| CPU | Qualcomm Atheros 550MHz |
| MIMO | 2T2R |
| RF Modulation | OFDM(BPSK, QPSK, 16-QAM, 64QAM) |
| RF Output Power | 5.8GHz Band: 20dBm@ 802.11a/n HT20 (MCS0/8, 5180MHz) for FCC 22dB EIRP for ETSI 301 893 (Band 1) 2.4GHz Band: 21dBm at 802.11g/n HT40 (MCS0/8, 2422MHz) for FCC 20dB EIRP for CE (ETSI 300 328) (Controllable for different country regulations) |
| RF Sensitivity | 802.11a: -93dBm@6Mbps,2Rx; -78dBm@54Mbps, 2Rx; 802.11n HT20: -94dBm@MCS0,2Rx; -75dBm@MCS7,2Rx 802.11n HT40: -90dBm@MCS0,2Rx; -73dBm@MCS7,2Rx 802.11b: -97dBm@1Mbps,2Rx; -93dBm@11Mbps, 2Rx; 802.11g: -95dBm@6Mbps,2Rx; -78dBm@54Mbps, 2Rx; 802.11n HT20: -94dBm@MCS0,2Rx; -75dBm@MCS7,2Rx 802.11n HT40: -91dBm@MCS0,2Rx; -73dBm@MCS7,2Rx |
| Attached Antenna | Dipole RP SMA 2.4G+5GHz wifi Antenna ,2.4GHz 1dBi ,5GHz 1dBi |
| Spread Spectrum and Modulation (typical) | <ul style="list-style-type: none"> • DSSS with DBPSK, DQPSK, CCK • OFDM with BPSK, QPSK, 16QAM, 64QAM • 802.11b: CCK @ 11/5.5 Mbps, DQPSK @ 2 Mbps, DBPSK @ 1 Mbps • 802.11a/g: 64QAM @ 54/48 Mbps, 16QAM @ 36/24 Mbps, QPSK @ 18/12 Mbps, BPSK @ 9/6 Mbps • 802.11n: 64QAM @ 300 Mbps to BPSK @ 6.5 Mbps (multiple rates supported) |
| Operating Frequency | US: 2.412 to 2.462 GHz (11 channels) 5.180 to 5.240 GHz (4 channels) 5.745 to 5.825 GHz (5 channels) EU: 2.412 to 2.472 GHz (13 channels) 5.180 to 5.240 GHz (4 channels) |

| Management | |
|---------------------------|---|
| Management | Web GUI, Telnet, IP Setup, Configuration Backup/Restore, Firmware Upgrade, Reload Default, Ping, SMTP, Time Settings, NTP Client. |
| WLAN Setup | Radio on/off, Frequency selection, WLAN Power Adjustment, Data Rate Selection, WLAN Traffic Shaping, Fast Roaming. |
| Status | System Information, Network Flow, Association List. |
| SNMP Trap | SNMP Trap to specific server |
| System Log | System events log |
| Utility/NMS Event Warning | Korenix View Utility WLAN Association, Authentication Fail, Config Changed, DO Alarms for Link Failure |
| Reliability | |
| Alert tool | Built-in RTC |
| Reboot trigger | Build-in Watchdog |
| Security | |
| Secured Access | HTTPS, SSH, |
| Security Encryption | WEP 64/128 bits, WPA-PSK(TKIP), WPA2-PSK/EAP (IEEE 802.1x/RADIUS, TKIP and AES) |
| Power Requirement | |
| Power | 24V(9-48V) DC power input/Passive PoE power input |
| Power Consumption | Standby Mode: 2 W (TBD) Full Load: Max. 5 Watts (TBD) *Suggest to reserve 15% tolerance power in practical installation. |
| Mechanical | |
| Enclosure | Metal housing |
| External Antenna | Reserve SMA Female connector |
| Mounting | Din-Rail |
| Dimension | 100mm(H) x 30 mm(D) x 100 mm(W) |
| Weight | g with package |
| Environmental | |
| Operating Temperature | -40 ~ 70°C |
| Operating Humidity | 5% ~ 95% (operating) |
| Storage Temperature | -40 ~ 85 °C |
| Approvals | |
| Certification | CE RED EN50121-4 |
| EMS | EN300 328 EN301 893 EN301 489-1 EMS EN301 489-1/-17 EN55032/24 EN61000-6-2/-4 FCC Part 15B Class A E-Mark (compliance) |
| Safety | Safety EN60950 |
| Warranty | 5 years |