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

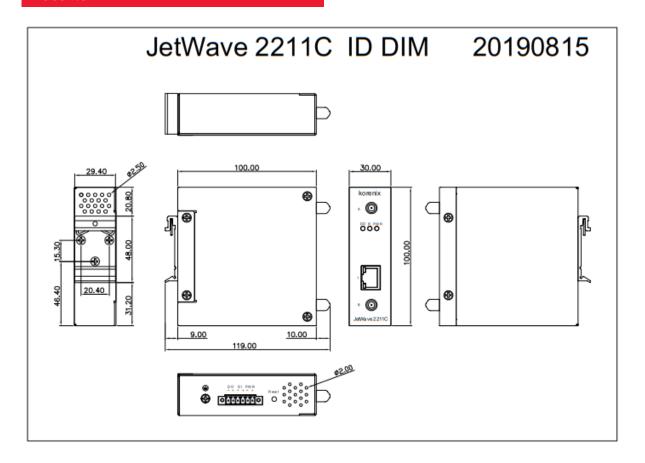**Heavy Industrial**

Super Roaming

MIMO

Wide Temp +70 -40

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	OFDC(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)	• 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℃
Operating Humidity	5% ~ 95% (operating)
Storage Temperature	-40 ~ 85 ℃
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