

JetWave Series - Industrial Wireless 3G 4G LTE Solution



JetWave 3220
JetWave 3220-M12



JetWave 3320
JetWave 3320-M12



JetWave 3420
JetWave3420-M12



JetWave 2310 series



JetWave 2311 series

	802.11 n/a/g	802.11 n/a/g + 3G	802.11 n/a/g + 4G LTE	3G/4G LTE Gateway	3G/4G LTE + 802.11 n/g*
Interface					
10/100/1000-TX	2 x RJ-45 (or M12)	2 x RJ-45 (or M12)	2 x RJ-45 (or M12)	2 x RJ-45	2 x RJ-45
Number of Radio	2 x Wi-Fi	Wi-Fi + 3G	Wi-Fi + 4G LTE	1 x 3G or 4G LTE	1 x 3G or 4G LTE + 1 x 2.4G Wi-Fi
Standard	802.11n 2T2R MIMO	802.11n 2T2R MIMO, 3GPP Release 4,6,7	802.11n 2T2R MIMO, 3GPP Release 9	3GPP Release 6,7,8	802.11n (up to 3T3R MIMO), 3GPP Release 6,7,8,9
Antenna	4 x External Wi-Fi	2 x External Wi-Fi, 2 x External 3G	2 x External Wi-Fi, 2 x External LTE	1 x 3G or 2 x 4G LTE	4 in Total : 3 x External Wi-Fi + 1 x 3G or 2 x External Wi-Fi + 2 x LTE
Max. Transmission Distance	Default Wi-Fi Antenna : 100 meter External Wi-Fi Antenna : up to 15 KM (Depends on antenna) 3G / 4G LTE : Depends on ISP			3G / 4G LTE : Depends on ISP	Default Wi-Fi Antenna : 50 meter External Wi-Fi Antenna : up to 5 KM (Depends on antenna) 3G / 4G LTE : Depends on ISP

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Operating Frequency (Wi-Fi)	5.8GHz Band : FCC : 5.170~5.250GHz, 5.735~5.835GHz, CE : 5.170~5.250GHz 2.4GHz Band : FCC : 2.412~2.462GHz, CE : 2.412~2.472GHz			--	2.4GHz Band : FCC : 2.412~2.462GHz, CE : 2.412~2.472GHz
Operating Frequency (2G/3G)	--	GSM / GPRS / EDGE : Quad band, 850 / 900 / 1800 / 1900MHz UMTS/HSPA+ : Five band,	GSM / GPRS / EDGE : Quad band, 850 / 900 / 1800 / 1900MHz UMTS/HSPA+ : Five band,	UMTS/HSPA+ : Five band 800/850/900/1900/2100MHz GSM/GPRS/EDGE : Quad band 850/900/1800/1900MHz	
Operating Frequency (4G LTE)	--	--	LTE-EU band: 800(20)/900(8)/1800(3)/2600(7) MHz LTE-US band: 700(17)/850(5)/AWS 1700/2100(4)/1900(2) MHz	LTE-EU band: LTE: 800/900/1800/2600 MHz, FDD-Band (20,8,3,7) UMTS/HSPA+: 900/1800/2100 MHz, FDD-Band (8,3,1) GSM/GPRS/EDGE: 900/1800 MHz LTE-US band(2310 LTE-U only): LTE: 700/850/AWS(1700/2100)/1900 MHz, FDD-Band (17,5,4,2) UMTS/HSPA+: 850/AWS(1700/2100)/1900 MHz, FDD-Band (5,4,2) GSM/GRPS/EDGE: 850/900/1800/1900 MHz	
Serial	--	1 x RS-232 / 422 / 485	1 x RS-232 / 422 / 485	--	--
DI/DO	1 x DI + 1 x DO	1 x DI + 1 x DO	1 x DI + 1 x DO	1 x DO	1 x DO
Power Input	802.3at (Eth 1), DC24V (12~48V)	802.3at (Eth 1), DC24V (12~48V)	802.3at (Eth 1), DC24V (12~48V)	Dual DC24V (12~48V)	Dual DC24V (12~48V)
Protocols					
Operating Mode	AP, Client, WDS-AP, WDS-Client, Redundant AP, Redundant Client	AP, Client, WDS-AP, WDS-Client / 3G	AP, Client, WDS-AP, WDS-Client / 4G LTE	3G / 4G LTE	AP, Client, WDS-AP, WDS-Client, 3G / 4G LTE
Routing	LAN / Wi-Fi to WAN	LAN / Wi-Fi to 3G / WAN	LAN / Wi-Fi to 4G / WAN	LAN to 3G / 4G / WAN	LAN / Wi-Fi to 3G / 4G / WAN
NAT	●	●	●	●	●
Firewall, VPN	●	●	●	●	●
Redundant AP/CPE	●	--	--	--	--

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WAN Redundancy	--	WAN / 3G	WAN / 4G LTE	among WAN / 3G / 4G	among WAN / 3G / 4G
Link Fault Pass-Through	●	●	●	--	--
Client-Based Fast Roaming	●	--	--	--	--
802.1x, MAC Access Control	●	●	●	●	●
Encryption	WEP, WPA, WPA2	WEP, WPA, WPA2	WEP, WPA, WPA2	--	WEP, WPA, WPA2
Configuration	CLI, Web, Utility, SNMP	CLI, Web, Utility, SNMP	CLI, Web, Utility, SNMP	CLI, Web, Utility, SNMP	CLI, Web, Utility, SNMP
Link Test Tools	●	●	●	●	●
Auto IP Report	--	●	●	●	●
Event Alarm	DO, E-mail, Syslog, SNMP Trap	DO, E-mail, Syslog, SNMP Trap	DO, E-mail, Syslog, SNMP Trap	DO, E-mail, Syslog, SNMP Trap	DO, E-mail, Syslog, SNMP Trap
Mechanical					
Dimesnion (HxWxD mm)	149 x 120.6 x 74	149 x 120.6 x 74	149 x 120.6 x 74	140 x 110 x 33	140 x 110 x 33
Operating Temperature	-40 ~ 70°C	-40 ~ 70°C	-40 ~ 70°C	-25 ~ 70°C	-25 ~ 70°C
Housing Protection (IP)	IP31 Aluminum	IP31 Aluminum	IP31 Aluminum	IP30 Aluminum	IP30 Aluminum
Certification					
CE / FCC	●	●	●	●	●
Radio	Wi-Fi (2.4G/5G)	Wi-Fi (2.4G/5G), 3G	Wi-Fi (2.4G/5G), 4G LTE	3G / 4G LTE	WiFi(2.4G), 3G / 4G LTE
EN 50121-4	●	●	●	--	--

● Supported / -- Not Supported