

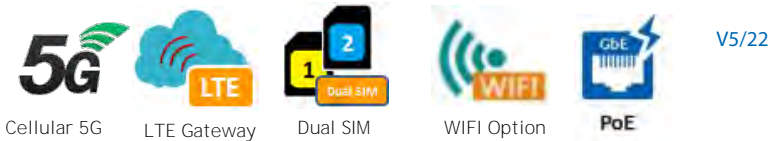
## JETWAVE

## Industrial Cellular Router/Gateway

# JetWave 2512 Series



- Industrial Slim Size Cellular Router/IP Gateway
- Global 5G NR/4G LTE cellular connections
- Dual SIM for Carrier Provider Redundant
- 2 x Giga Port Routing/Bridging
- VPN/Firewall/DMZ and Secure VPN Connectivity
- IEEE 802.11n 2.4G WIFI, up to 2T2R MIMO, 300Mbps
- LAN/WIFI to LTE Routing
- Remote management by Web GUI, SNMP, DDNS
- 24V(9~36V) DC power input
- Wide Temperature, Heavy Industrial Grade design
- PoE PD (48V) Power input (PoE+ 802.3at)



V5/22

## Overview

The JetWave 2512 series is a slim size industrial grade secure Cellular Router/IP Gateway for the Ethernet to cellular machine-to-machine (M2M) communication market. The JetWave 2512 Series equips with one embedded 5G/4G LTE module, dual SIM standby for carrier provider redundant, 2 Giga ports for routing or switching.

JetWave 2512 series equips with one additional 802.11n 2.4G WIFI as cellular traffic offload and local access solution, it reduce a lot of connecting cost. The cellular router/gateway also supports remote management, secure connectivity, firewall/NAT features. The industrial grade design supports 24V(9-36V)DC input or PoE PD (48V) power on, wide operating temperature and heavy industrial grade environment protection.

Model Name	5G	4G LTE	WIFI	Ethernet	SIM	Operating Temp.
JetWave 2512-WIFI	5G	4G LTE	2.4G WIFI	2xGE	2	-30~70°C
JetWave 2512	5G	4G LTE	N/A	2xGE	2	-30~70°C

## Ultra-Fast Speed 4G/5G Network

JetWave 2512 supports 5G NR and 4G LTE DL speeds of up to 1 Gbps. The wide spectrum bandwidth accelerates internet speeds and reduces network latency for premium and time-sensitive connectivity services. JetWave 2512 also supports multi-band connectivity including LTE FDD/TDD and WCDMA for a wide range of applications.



## Broadband Failover

JetWave 2512 can be configured to use Ethernet or Wifi as primary internet and failover to 4G/5G in the event of an outage. IPSec, OpenVPN and GRE protocols can be used for connections into core networks.

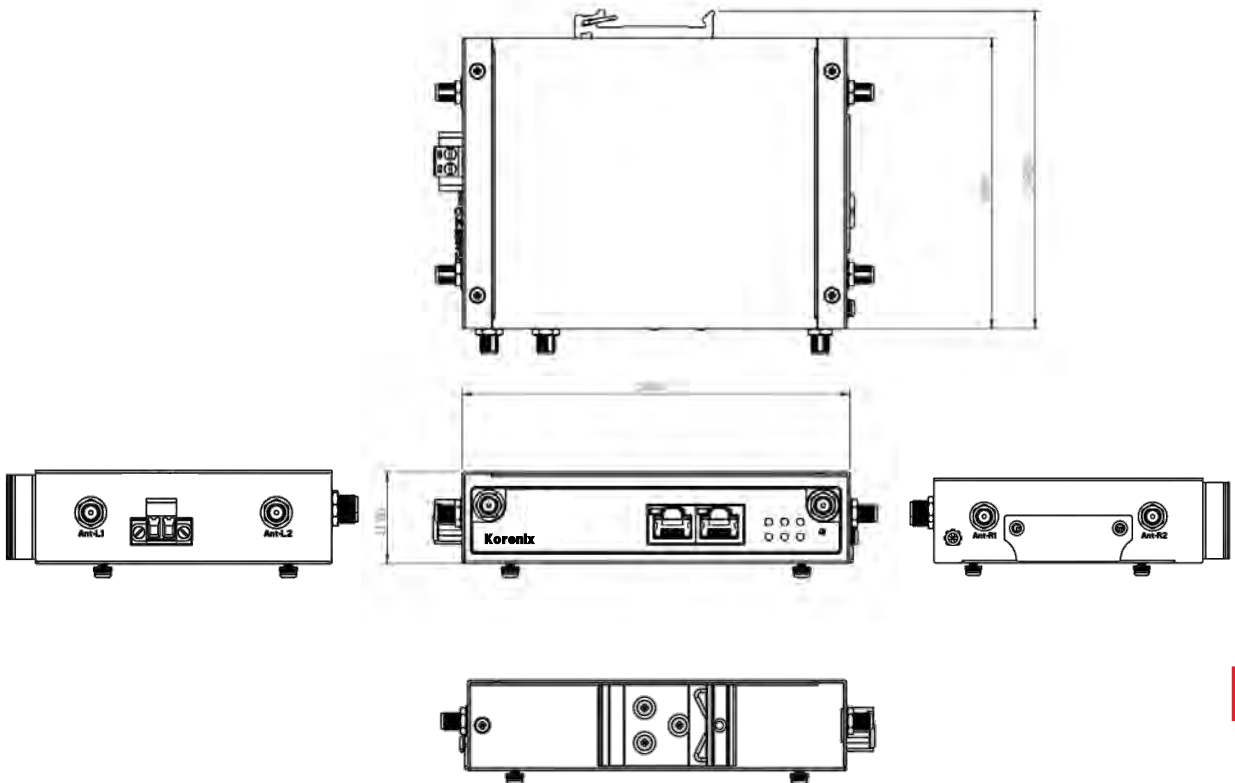


## Dual SIM Standby for 5G/4G LTE Redundancy

The product support dual SIM standby for 5G/4G LTE Redundant. While the primary SIM connection fails, the second SIM recovers to the other carrier provider.



## Specification



## Specification

Technology	
Standard	IEEE 802.3 for 10BaseT IEEE 802.3u for 10/100Base-TX IEEE 802.3ab for 1000BaseT IEEE 802.11n/g Wireless LAN IEEE 802.11i Wireless Security
Interface	
Ethernet Port	2x 10/100 /1000 Base-T(X) RJ-45
Cellular	5G or 4G LTE for the cellular machine-to-machine (M2M) communication
WIFI	IEEE802.11n, 2.4G Ban
SIM Socket	2 (Dual SIM Standby)
Power Input	1x 24VDC (9-36VDC) input or PoE PD (48V)
Reset	Reset Switch, Reset to Default over 12 seconds
LED	Power: OFF/Steady On/Flash WIFI:OFF/Steady On/Flash SIM-A:OFF/Steady On/Flash SIM-B:OFF/Steady On/Flash Cellular Signal:OFF/Steady On/Flash Eth 1, Eth 2:OFF/ON
SMA Antenna Socket	Socket A : 5G/4G LTE 1 Socket B : 5G/4G LTE 2 Socket C : 5G/4G LTE 3 Socket D : 5G/4G LTE 4 Socket E : WIFI 1 Socket F : WIFI 2
WIFI	
Operating Frequency	FCC : 2.412-2.462GHz CE : 2.412-2.472GHz (Programmable for different country regulations)
MIMO	2T2R
RF Modulation	802.11g/n: OFDM (BPSK,QPSK,16-QAM,64QAM)
Mode	AP Router, WDS, WDS Hybrid Modes
Cellular	
5G	n1 / n3 / n5 / n7 / n8 / n20 / n28 / n41 / n66 / n71 / n77 / n78 / n79
4G LTE FDD	B1/ B2 / B3 / B4 /B5 /B7 /B8 /B12 /B13 /B14 /B17 /B18 /B19 /B20 /B25 /B26 /B28 /B29 /B30 /B32 /B66 /B71
4G LTE TDD	B34 /B38 /B39 /B40 /B41 /B42 /B46 /B48
WCDMA/HSPA+	B1 /B2 /B3/B9 B4 /B5/B6/B19 /B8

Management	
Management	Web GUI, Telnet, SNMP, IP Setup, DDNS Setup, Management VLAN ID, Configuration Backup/Restore, Firmware Upgrade, Reload Default, Ping, SNTP
WLAN Setup	Wireless Basic Settings, Multiple SSID, Radio on/off, SSID Broadcast, VLAN ID, Advanced Settings; LTE/WAN Failover
5G/4G LTE	5G/4G LTE Configuration, SIM Security, Status, Debug Log, Auto IP Report, Watchdog, Mobile Management, Dual SIM Standby/Redundant, Cellular/Eth-WAN Redundant, IPv4/6
Router/Gateway	NAT Routing, DHCP Server/Client
SNMP	Simple Network Management Protocol v1/v2c/v3, Function-based MIB, SNMP Trap
Status	System Information, Bridge Table, ARP Table, DHCP Client List
System Log	System events log
Security	
Secured Access	Packet Filter, URL Blocking, MAC Filter
Firewall	SPI Firewall with Stealth Mode, IPS
VPN	IPSec, OpenVPN, PPTP, L2TP, GRE
Power Requirement	
Power	DC24V (9-36VDC) input PoE PD (48V) (PoE+ 802.3at)
Power Consumption	Full Load: Max. 30 Watts *Suggest to reserve 15% tolerance power in practical installation.
Mechanical	
Enclosure	Metal housing
Mounting	Din-Rail, Desktop
Dimension	131 mm(H) x 100 mm(D) x 30 mm(W)
Weight	780g with package
Environmental	
Operating Temperature	-30 ~ 70°C
Operating Humidity	10% ~ 95% (operating)
Storage Temperature	-40 ~ 85 °C
Approvals	
Certification	EMI: EN 55032: 2015 +AC: 2016 Class B, EN61000-3/-6 EMS: EN 55024, IEC 61000, EN61000-6 Radio: EN 301 489, EN 300 328 Safety: EN 60950-1, EN 62368-1
Model	
JetWave2512-WIFI	Industrial Cellular Router/Gateway, 2xGE, 4G LTE/5G, 2.4G WIFI
JetWave2512	Industrial Cellular Router/Gateway, 2xGE, 4G LTE/5G