

Industrial Cellular Router/Gateway

JetWave2411/2111 LTE Cellular Gateway



- Industrial Slim Size Cellular Router/IP Gateway
- JetWave2411 (LTE Cat 4) max. 150M DL/50M UL
- JetWave2111 (LTE Cat 1) max. 10M DL/5M UL
- One MicroSD card slot support
- 1 DI + 1 DO
- 1 ports RS232/422/485 3 in 1 (RJ45 type)
- 1 Fast Ethernet Port
- VPN/Firewall/DMZ and Secure VPN Connectivity
- LAN to 4G/LTE Routing
- Remote management by Web GUI, SNMP, Auto IP Report, LAN View, Mobile Manager, NMS
- 24V(9-30V) DC power input
- Wide Temperature, Heavy Industrial Grade design
- Support GPS (Optional)



Overview

The JetWave2411/2111 are slim size industrial grade secure Cellular Router/IP Gateway for the Ethernet to cellular machine-to-machine (M2M) communication market. The Cellular Gateway series equips with one embedded 4G LTE Cat4/Cat1 module, one SIM slot, one MicroSD card slot, 1 serial port and 1 Fast Ethernet port for routing. With the next generation Long Term Evolution (LTE) technology, it supports up to 150Mbps DL 50Mbps UL/ 10Mbps DL 10Mbps UL for cellular communication.

The cellular router/gateway also supports remote management, secure connectivity, firewall/NAT features. The industrial grade design supports 24V(9-30V)DC input, Digital Input and Output, wide operating temperature and heavy industrial grade environment protection.

| Model Name | LTE | Bandwidth | Ethernet | Serial | DI/DO | Cellular |
|----------------|-------|----------------|----------|------------|---------|---|
| JetWave2111-EU | Cat 1 | 10M DL/5M UL | 1 x FE | 1 (3 in 1) | 1DI,1DO | FDD-LTE - B1/ B3/ B5/ B7/ B8/ B20 TDD-LTE - B38/ B40 /B41 WCDA -B1/ B5/ B8 |
| JetWave2111-AU | Cat 1 | 10M DL/5M UL | 1 x FE | 1 (3 in 1) | 1DI,1DO | FDD-LTE -B1/ B2/ B3/ B4/ B5/ B7/ B8/ B28 TDD-LTE - B40 WCDMA-B1/ B2/ B5/ B8 |
| JetWave2411-EU | Cat 4 | 150M DL/50M UL | 1 x FE | 1 (3 in 1) | 1DI,1DO | FDD-LTE - B1/ B3/ B5/ B7/ B8/ B20 TDD-LTE - B38/ B40 /B41 WCDA -B1/ B5/ B8 |
| JetWave2411-AU | Cat 4 | 150M DL/50M UL | 1 x FE | 1 (3 in 1) | 1DI,1DO | FDD-LTE -B1/ B2/ B3/ B4/ B5/ B7/ B8/ B28 TDD-LTE - B40 WCDMA-B1/ B2/ B5/ B8 |

JetWave2411/2111 Outlook

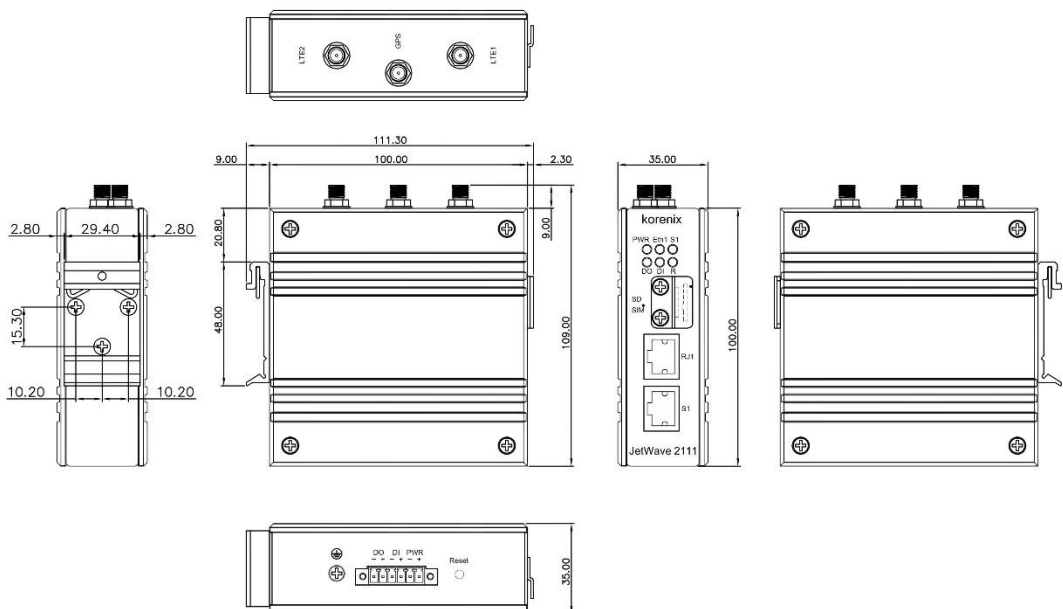


Bottom

Front

Top

JetWave 2111 ID DIM Rev. 0.0 20181129



Specification

| Technology | |
|--------------------|---|
| Standard | IEEE 802.3 for 10BaseT IEEE 802.3u for 10/100Base-TX 3GPP Release 11 Long Term Evolution (LTE), 4G compatible |
| Interface | |
| Ethernet Port | 1x 10/100Base-T(X) RJ-45 |
| Cellular | Mini PCIe LTE for the cellular machine-to-machine (M2M) communication |
| SIM Socket | 1 |
| Storage | Micro SD card slot *1 |
| Digital I/O | 1 DI + 1DO |
| Power Input | 1x 24VDC (9-30VDC) input |
| Relay Output | 1xRelay Output, 1A@24VDC |
| Serial interface | 1*RS-232/422/485 with RJ45 Type |
| Reset | Reset Switch, Reset to Default over 7 seconds |
| LED | PWR, Radio 1, Eth 1, serial1 ,DI,DO |
| SMA Antenna Socket | 3 sockets available (2 for LTE 1 for GPS) |
| Cellular | |
| LTE Standard | 3GPP Release 11 Long Term Evolution (LTE), 1T2R DL-MIMO LTE category 1: max. 10Mbps DL, 5Mbps UL LTE category 4: max. 150Mbps DL, 50Mbps UL |
| LTE-EU Band | FDD-LTE - B1/ B3/ B5/ B7/ B8/ B20 TDD-LTE - B38/ B40 /B41 WCDA -B1/ B5/ B8 |
| LTE-AU Band | FDD-LTE -B1/ B2/ B3/ B4/ B5/ B7/ B8/ B28 TDD-LTE - B40 WCDMA-B1/ B2/ B5/ B8 |

| Management | |
|-----------------------|---|
| Management | Web GUI, Telnet, SNMP, IP Setup, Configuration Backup/Restore, Firmware Upgrade, Reload Default, Ping, DO Events, DO Alarms, SMTP, SD FW upgrade, SD Cellular log record. |
| 3G/4G LTE | 3G/LTE Configuration, SIM Security, Status, Debug Log, Auto IP Report, DDNS |
| Router/Gateway | DHCP Server/Client |
| 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 | LAN View Utility, Mobile Manager, NMS |
| Reliability | |
| Alert tool | Built-in RTC |
| Reboot trigger | Build-in Watchdog |
| Security | |
| Secured Access | HTTPS, SSH, IEEE 802.1X, Radius Server |
| Firewall | Firewall Setting, DMZ, Port forwarding |
| VPN | OpenVPN, IPSec VPN |
| Power Requirement | |
| Power | DC24V (9-30VDC) input |
| Power Consumption | Standby Mode: 2W Full Load: Max. 5 Watts *Suggest to reserve 15% tolerance power in practical installation. |
| Mechanical | |
| Enclosure | Aluminum housing |
| External Antenna | Reverse SMA Female connector |
| Mounting | Din-Rail, Desktop |
| Dimension | 100 mm(H) x 100 mm(D) x 35 mm(W) |
| Weight | 600g with package |
| Environmental | |
| Operating Temperature | -40 - 70°C |
| Operating Humidity | 5% - 95% (operating) |
| Storage Temperature | -40 - 85 °C |
| Approvals | |
| Certification | RED: CE EN55032/55024 EN 61000-6-2/4 Industrial Environment EN 301 489-1/17/52 EN 301 908-1/-2/-13 (LTE) EN50385/EN62311 MPE assessment Safety EN60950-1 FCC Part 15C/15E; FCC ID: TBD E-Mark |
| Warranty | 5 years |