

Item no.: 386187

## ONCELL G4302-LTE4-US-T - Industrial LTE Cat. 4 cellular secure router, B2/B4/B5/B12/B13/B14

from 1.112,63 EUR

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shipping weight: 0.70 kg  
Manufacturer: MOXA



### Product Description

Industrial applications with mobile communication - such as moving vehicles, industrial M2M and the monitoring of geographically dispersed locations - must be reliable and fail-safe even in dynamic and radio-hostile environments. Our industrial-grade cellular routers are able to meet this challenge and enable reliable mobile data access anytime, anywhere.

**Industrial LTE Cat. 4 cellular secure router, B2/B4/B5/B12/B13/B14/B17/B66, 2 10/100/1000BaseT(X) RJ45 ports, -30 to 70°C operating temperature**

**Cellular Interface**  
Cellular Standards- LTE CAT 4, HSPA, UMTS, EDGE, GPRS, GSM  
LTE Data Rate- 20 MHz Bandwidth: 150 Mbps DL, 50 Mbps UL  
Band options (US)- LTE B2 (1900 MHz) / B4 (1700/2100 MHz (AWS)) / B5 (850 MHz) / B12 (700 MHz) / B13 (700 MHz) / B14 (700 MHz) / B66 (1700 MHz) / B25 (1900 MHz) / B26 (850 MHz) / B71 (600 MHz)- UMTS/HSPA UMTS/HSPA B2 (1900 MHz) / B4 (1700 MHz (AWS)) / B5 (850 MHz)  
Number of SIM cards- 2 SIM slots  
SIM format- Nano-SIM  
Connections for mobile phone antennas- 2 SMA sockets  
Ethernet interface 10/100/1000BaseT(X) ports (RJ45 connection)- 2  
GNSS interface  
GNSS bands- GPS (1575.42 MHz)- GLONASS (1597.52 MHz)- Galileo (1575.42 MHz)- BeiDou (1561.098 MHz)  
GNSS antenna connectors- 1 SMA socket  
Input/output interface  
Digital output channels- 1- Relay output with a current carrying capacity of 1 A @ 24 VDC  
Digital input channels- 1  
Digital inputs- -30 to +3 V for state 0- +13 to +30 V for state 1  
Buttons- Reset button  
USB interface  
No. of USB ports - 1 of USB ports- 1 USB port- USB type A  
USB standards- USB 2.0  
Serial interface  
Number of ports- 1  
Connector- DB9 male  
Serial standards- RS-232/422/485  
Data bits- 5, 6, 7, 8  
Stop bits- 1, 1.5, 2  
Parity- None- Even- Odd  
Baud rate- 300 bps to 921.6 kbps  
Console connection- RS-232 (TxD, RxD, GND), USB Type-C (115200, n, 8, 1)  
Serial signals  
RS-232- TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND  
RS-422- Tx+, Tx-, Rx+, Rx-, GND  
RS-485- 2w- Data+, Data-, GND  
RS-485- 4w- Tx+, Tx-, Rx+, Rx-, GND  
Operating modes  
Standards- Real COM mode- RFC2217 mode- TCP client mode- TCP server mode- UDP mode  
LED interface  
LED indicators- PWR1, PWR2, STATE, USB, SIM1, SIM2, CELL, LTE, GNSS, SERIAL, VPNEthernet software functions- GuaranLink- Power Management- Back Pressure Flow Control- LLDP- Syslog- Wireless Search Utility- MXview One- MXconfig- MXsecurity- Moxa Remote Connect (MRC)  
Broadcast Forwarding- IP directed broadcast, Broadcast Forwarding  
Configuration Options- Serial Console - Web Console (HTTP/HTTPS)- Command Line Interface (CLI) via Serial/Telnet/SSH  
Network Protocols- DDNS - DHCP DDNS- DHCP server/client- SMTP- SNMPv1/v2c/v3- ARP- Telnet- TCP/IP- UDP- SMS remote control  
Filter- 802.1Q VLAN- Port-based VLAN  
Unicast routing- Static route  
Multicast routing- Static route  
Routing redundancy- VRRP  
Time management- NTP  
Server/Client- SNTP  
Security functions  
Hardware-based security- Secure Boot  
Password- Password protection at user level  
Authentication- Local database - RADIUS  
Local database- RADIUS- Access control list  
Firewall  
Filter- DDoS- Ethernet protocols- ICMP- IP address- MAC address- Ports NAT Functions  
Ports  
NAT Functions- 1-to-1- N-to-1- PAT- NAT loopback- Double NAT  
IPsec  
VPN  
Authentication- MD5 and SHA (SHA-256)- RSA (key size: 1024-bit, 2048-bit)- Pre-shared key or X.509 v3 certificate  
Encryption- DES- 3DES- AES-128- AES-192- AES-256  
Simultaneous VPN tunnels- Max. 15  
IPsec VPN tunnels  
Protocols- IPsec  
Performance parameters  
Input current- 0.96 A @ 12 VDC (max.)- 0.63 A @ 12 VDC (average)- 0.33 A @ 24 VDC (average)- 0.18 A @ 48 VDC (average)  
Input voltage- 12 to 48 VDC  
Power consumption- 7.6 W (typ.)- 11.52 W (max.)  
Mains connection- Screw terminal  
block  
Reverse polarity protection- Supported  
Physical characteristics  
Housing- Metal  
Dimensions- 125 x 46.2 x 100 mm (4.92 x 1.82 x 3.94 in)  
Weight- 610 g (1.34 lb)  
Installation- DIN rail mounting- Wall mounting (with optional kit)  
IP rating- IP40  
Environmental conditions  
Operating temperature- -30 to 70°C (-22 to 158°F)  
Storage temperature (including packaging)- -40 to 85°C (-40 to 185°F)  
Relative humidity- 5 to 95% (non-condensing)  
Standards and certifications  
EMC- EN 55032/35- EN 61000-6-2/-6-4  
EMI- CISPR 22, FCC Part 15B Class A  
EMS- IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV- IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m- IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV- IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV- IEC 61000-4-6 CS: 10 V; 150 kHz to 80 MHz- IEC 61000-4-8: 30 A/m  
Free fall- IEC 60068-2-32  
Hazardous areas- IECEx - ATEX - Class I Division 2  
Railway- EN 50121-4  
Traffic control- NEMA TS2  
Road vehicles- E-mark E1  
Radio Frequency- FCC- PTCRB- EN 303 413- Radio- NCC- TELECOM- RCM- KC- ICID- UKCA- Anatel  
Network Operator Authorisations- Verizon- AT&T  
Mobile radio standards- EN 301 489-1/-19- EN 301 489-1/-52- EN 301511- EN 301908-1/-2/-13  
Safety- UL 62368-1- EN 62368-1  
Shock- IEC 60068-2-27  
Vibration- IEC 60068-2-6  
MTBF  
Time- 521,746 hours  
Standards- Telcordia SR332

### Specifications

Scan this QR code to view the product

All details, up-to-date prices and availability

