

QUARTZ-COMPACT-11-LTE (EU)

4G Single port LAN Ultra Compact Industrial Router



Key Features

- European 4G / LTE bands
- High speed data via LTE network
- Strong resistance to electromagnetic interference
- Built-in watch dog, multi-link detection
- Ultra compact industrial design
- Excellent temperature endurance
- VPN: PPTP, L2TP, GRE, IPSec
- 1 x LAN, 1 x Serial port
- Optional GNSS

General Description

Siretta's QUARTZ-COMPACT 4G/LTE router is an ultra compact, high speed industrial router designed for transferring large amounts of data via the cellular network. The QUARTZ-COMPACT 4G/LTE's fast data transfer capability reaches up to 150Mbps download and up to 50Mbps upload speed. It also has fallback to 3G communication should 4G/LTE be unavailable. It is well suited for IoT/mobile broadband applications, offering reliable, secure wireless connectivity.

The QUARTZ-COMPACT 4G/LTE router is of a robust design, in a ultra compact sized, metal enclosure, making it ideal for deployment in industrial embedded applications where space is at a premium. Cellular coverage is designed to match European frequencies. The QUARTZ-COMPACT software means VPN security is supported, allowing the router to be used in commercial as well as industrial applications.

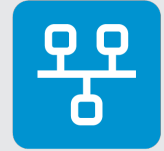
The QUARTZ-COMPACT 4G/LTE router meets many of the needs for management of remote communication, and therefore has applications in renewable energy, security, digital signage, transport, street furniture, traffic control, parking systems, environmental monitoring, and many other IoT/mobile broadband applications.

The QUARTZ-COMPACT router comes equipped with a single SIM slot, single 10/100 ethernet LAN port and a serial port, which can be swapped out for optional GNSS at point of ordering (note MOQ applies). Setting up the QUARTZ-COMPACT router is quick and easy - simply insert your 4G SIM card and connect the antennas. Power up the router. Connect to the internet by entering the correct APN settings in the web setting interface. The router will then connect and provide high speed 4G mobile broadband internet.

NOTE: This unit does not have WiFi functionality.

Additional Features

- » Supports DHCP server
- » Supports DNS proxy and Dynamic DNS (DNSS)
- » Supports timing operation
- » Supports LED status indication
- » Supports APN and VDPN wireless private network access
- » Local and remote management
- » SNMP network management, NTP support
- » Supports Serial to IP data transfer
- » LCP/ICMP/flow/heartbeat check



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Cellular

- » GSM Network
 - B3 (1800MHz), B8 (900MHz)
- » UMTS Network
 - B1 (2100MHz), B5 (850MHz), B8 (900MHz)
- » LTE Network
 - B1 (2100MHz), B3 (1800MHz), B5 (850MHz)
 - B7 (2600MHz), B8 (900MHz), B20 (800MHz)
 - B38 (2600MHz), B40 (2300MHz), B41 (2500MHz)

Interfaces

- » 1x10/100Mb LAN interface
- » 1x RS-232 console port(option to swap for GNSS- MOQ applies)
- » 2x SMA-K antenna interface
- » 1x Standard SIM/R-UIM interface
- » 1x Standard DC power interface

Environmental

- » Dimensions: 78.5mm x 59mm x 23.5mm (without antenna)
- » Weight: 150g (without antenna)
- » Operating Temperature Range: -30 to +70 deg C
- » Storage Temperature Range: -40 to +85 deg C
- » Relative Humidity: <95% Non-condensing

Power

- » Idle: 165mA @ +12V DC
- » Online without WiFi: 195mA @ +12V DC
- » Online with Wifi 235mA @ +12V DC
- » Power Supply: 5V - 32V DC

Approvals and Compliance

- » CE
- » RoHS
- » CCC

Router Settings

Route Protocol

- » Static route
- » RIPv2/OSPF dynamic route

Device Management

- » Local or remote web browser (IE v8 or above)
- » CLI/Telnet command
- » M2M management platform (optional)
- » SSH management (optional)

Firewall and Filter

- » IP packet/Domain/MAC filter
- » NAT
- » DMZ

LED Instruction

- » NET
- » LAN
- » PWR

VPN

- » IPSec
- » PPTP/L2TP client
- » GRE/IPIP

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