

QUARTZ-LITE-W21-LTE (EU)

4G Dual LAN Small Footprint 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
- Compact industrial design
- Excellent temperature endurance
- VPN: PPTP, L2TP, GRE, IPSec
- Optional GNSS



General Description

Siretta's QUARTZ-LITE 4G/LTE router is a high speed industrial router designed for transferring large amounts of data via the cellular network. The QUARTZ-LITE 4G/LTE's fast data transfer capability reaches up to 100Mbps download and up to 50Mbps upload speed. It also has fall-back to 3G/UMTS communication, should 4G/LTE be unavailable. It is well suited for IoT/mobile broadband applications, offering reliable, secure wireless connectivity.

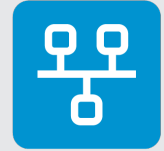
The QUARTZ-LITE 4G/LTE router is of a robust design, coming in a small sized, metal enclosure, making it ideal for deployment in industrial embedded applications. Cellular coverage is designed to match European frequencies. The QUARTZ software means VPN security is supported, allowing the router to be used in

commercial as well as industrial applications. The QUARTZ-LITE 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-LITE router comes as standard with a single SIM slot, dual port ethernet capability, and has the option to come with, or without, Wifi. It also has optional GNSS capability, which means the router is ideal for asset tracking or access management.

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
- » Supports 802.11b/g/n WiFi, 150Mbps data rate
- » Local and remote management
- » SNMP network management, NTP support
- » WAN supports PPOE, Static IP, DHCP Client (with 2 x LAN)



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Cellular

- » LTE (European):
800(B20), 850(B5), 900(B8), 1800(B3), 2100(B1),
2600(B7) MHz
- » UMTS:
850(B5), 900(B8), 2100(B1) MHz
- » GSM:
1800(B3), 900(B8) MHz

Interfaces

- » 2 x 10/100Mb LAN (2 x LAN)
- » 1 x 3G/4G SMA female antenna interface
- » 1 x standard SIM/R-UIM interface
- » 1 x standard DC power interface

Optional Interfaces

- » 1 x 10/100Mb LAN, 1 x WAN
- » 1 x GNSS OR 1 x WiFi SMA female antenna interface

Environmental

- » Dimensions: 103mm x 73.5mm x 23.5mm
(without antenna)
- » Weight: 300g
(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: 80mA @ +12VDC
- » Single module comms: 320mA : +12VDC
- » Dual module comms: 600mA @ +12VDC
- » Power supply: 7.5 - 32VDC

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

- » WLAN
- » WAN
- » LAN
- » NET

VPN

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

WiFi

- » Standard: IEEE 802.11b/g/n
- » WEP, WPA and WPA2 encryption
- » Standard 150Mbps (300Mbps optional with additional antenna)