



QUARTZ-LITE-UMTS (EU)

3G Dual port LAN Small Footprint Industrial Router

Key Features

- European 3G / UMTS bands
- High speed data via UMTS 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 GPS



General Description

Siretta's QUARTZ-LITE 3G/UMTS router is a high speed industrial router designed for transferring large amounts of data via the cellular network. The QUARTZ-LITE 3G/UMTS's fast data transfer capability reaches up to 21Mbps download and up to 5.76Mbps upload speed. It also has fallback to 2.5G communication should 3G/UMTS be unavailable. It is well suited for IoT/mobile broadband applications, offering reliable, secure wireless connectivity.

The QUARTZ-LITE 3G/UMTS 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-LITE software

means VPN security is supported, allowing the router to be used in commercial as well as industrial applications.

The QUARTZ-LITE 3G/UMTS router meets many of the needs for management of remote communication, and therefore has applications in security, digital signage, CCTV, vending, street furniture, traffic control, telemetry, parking systems & environmental monitoring.

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 GPS 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 optional 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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Specifications - Environmental

Operating temperature range:	-30 to 70°C
Storage temperature range:	-40 to 85°C
Relative humidity:	<95% (non-condensing)

Specifications - Mechanical

Dimensions:	103 x 73.5 x 23.5mm (not including antenna)
Weight:	300g

Specifications - Wireless & Electrical

Networks

- » UMTS (European Frequencies)
900MHz, 2100MHz

Interface

- » 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 GPS OR 1 x WiFi SMA female antenna interface

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

Power and Consumption

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

LED Instruction

- » WLAN
- » WAN
- » LAN
- » NET

WiFi

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

VPN

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

Approval

- » CE
- » RoHS
- » CCC