Siretta
Enabling Industrial IoT

QUARTZ-COMPACT-UMTS (EU)
3G Single port LAN Ultra Compact 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
- Ultra Compact Industrial Design
- Excellent temperature endurance
- VPN: PPTP, L2TP, GRE, IPSec
- 1 x LAN, 1 x Serial port
- Optional GPS

General Description

Siretta's QUARTZ-COMPACT 3G/UMTS router is an ultra compact, high speed industrial router designed for transferring large amounts of data via the cellular network. The QUARTZ-COMPACT 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-COMPACT 3G/UMTS router is of a robust design, coming 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.
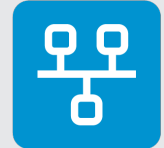The QUARTZ-COMPACT software means VPN security is supported, allowing the router to be used in commercial as well as industrial applications.
The QUARTZ-COMPACT 3G/UMTS router meets many of the needs for management of remote communication, and therefore has applications in security, digital signage, CCTV, vending, street furniture, traffic control, telemetry, parking systems & environmental monitoring.

The QUARTZ-COMPACT router comes equipped with a single SIM slot, single 10/100 ethernet LAN port and a serial port, which can be swopped out for optional GPS at point of ordering(note MOQ applies). Setting up the QUARTZ-COMPACT router is quick and easy - simply insert your 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 3G 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

General Features

» UMTS (European):
900MHz, 2100MHz

Interfaces

» 1× RS-232 console port(option to swap for GPS- MOQ applies)
» 2× SMA-K antenna interface
» 1× Standard SIM/R-UIM interface
» 1× 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

» 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

Rev 1.1