G-router
RE.40.QGSM

THE FUTURE IS HERE. IT'S JUST NOT DISTRIBUTED YET

Smart GSM/GPRS M2M Device

The G-router is a smart wireless machine to machine device. The G-router features integrated GPRS and Quad band GSM functionality and has been certified for most GSM networks. The Linux operating system allows for customized applications to immediately offer benefits as permanent on-line connections plus cost-efficient, high-speed data transmission. The unit features a low power relay for remote control of devices. RFIos (ROSE) powers all devices, and supports 24/7 always-on availability, persistent connectivity, end-to-end security and secure two-way data exchange. Data can be transmitted in "Push" or "Pull" mode, stored and aggregated along preset criteria.
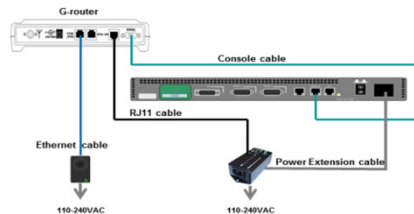
Features

✓ 2x 10/100 Base-T Ethernet port and 1x RS-232 serial interface
✓ "24" family form factor module
✓ Relay contact for remote power cycling of equipment
✓ Quad Band GSM interface (850/900/1800/1900MHz)
✓ Supports: GPRS, CSD Data/Fax, SMS
✓ Remotely configurable and OTA software upgradeable
✓ Event monitoring and reporting
✓ L2TP VPN client for easy secure accessibility
✓ Access rights to the configuration parameters per unique UID
✓ Default "customer" configuration during production
✓ Complies with latest EMI/RFI Regulations
✓ 1-3 Year Warranty

Dedicated to M2M

◉ Out-of-band Management
- Improve response times and customer service
- Improve Service Level Agreement performance
- Reduce support costs and field service visits
- Reduce dependency on third parties
- Increase SLA differentiation from competitors
- Increase return on expensive support employees

◉ Smart Metering
- Utility companies can send timely and accurate invoices
- Grid operators to prepare for Smart Grid operation

◉ Electric Mobility
- An available and easy-to-use charging infrastructure is crucial to a successful introduction of electric vehicles
- Electric charging stations are the point of control for invoicing and battery monitoring

◉ Mobile Health
- Data communication is key for the deployment of mobile health applications
- Wireless data communication is the smartest way for patient monitoring

With the additional Remote Power Switch external high power equipment can be remotely controlled.

Connectors

Power Connector	DC Power jack 2.1mm
Relay (normal open and closed)	1x RJ-11
RS-232	9-pins sub-D male
Ethernet connectors	2x RJ-45
Antenna connector	RP-TNC

Power Requirements

Power Jack	24VDC…48VDC, 15Watt max.
Power over Ethernet	38VDC…56VDC, 15Watt max.
Unit ships standard with 3G antenna and universal 20Watt PoE power supply	

Environmental

Operating Temperature	-10º to 40ºC with no derating
Storage Temperature	-30º to +85ºC
Relative Humidity	5% to 95% non-condensing
Altitude	0-10,000 feet
Cooling	Convectional - non vented case

Mechanical

Case Dimensions	234L x 134W x 43H (mm)
Case Material	Black, Flame retardant ABS plastic UL94V-0
Weight	20 Ounces, 550 grams

CE RoHS