

G-router

RE.40.QGSM

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Universal GSM/GPRS M2M unit

The G-router is a universal wireless machine to machine unit. 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.

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



Features

- ✓ 2x 10/100 Base-T Ethernet ports and RS-232 serial interface
- ✓ 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 software upgradeable
- ✓ Carrier approved
- ✓ Event monitoring and reporting
- ✓ VPN client, for easy accessibility
- ✓ Access rights to the configuration parameters per unique UID
- ✓ Default "customer" configuration during production
- ✓ Complies With EMI/RFI Regulations
- ✓ Black, Flame retardant ABS plastic enclosure
- ✓ 1 Year Warranty

Markets and Benefits

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

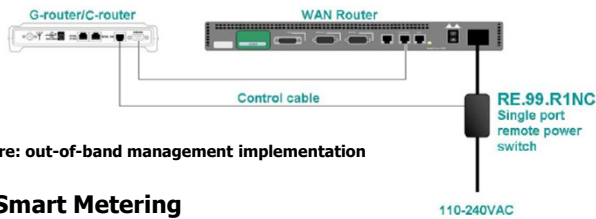


Figure: out-of-band management implementation

Smart Metering

- Utility companies can send timely and accurate invoices
- Grid operators to prepare for Smart Grid operation
- End users can monitor energy consumption and decrease energy use and cost

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
- Electric vehicles are ideal power consumers in the Smart Grid of the future

Mobile Health

- Data communication is key for the deployment of mobile health applications
- GPRS data communication is the smartest way for patient monitoring
- Increased expectations for quality of life and medical care will justify investment

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	0° to 40°C with no derating
Storage Temperature	-30° to +85°C
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



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