



U-router

RE.41.QGFU

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

Universal Smart Link Device

The U-router is a universal high-speed wireless M2M data router. The U-router supports 5-band UMTS/HSDPA functionality and provides backward compatibility to existing EDGE and GSM/GPRS based networks. By leveraging its high speed ports customers can offer solutions for various networking applications. The carrier-grade U-router features a low power relay for remote control of devices. With the additional single port remote power switch (RE.99.R1Nx) external high power equipment can be remotely controlled. Data can be transmitted in "Push" or "Pull" mode, stored and aggregated along preset criteria.

Features

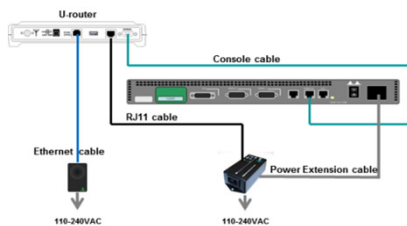
- ✓ High-power processor
- ✓ 10/100 Base-T Ethernet port
- ✓ RS-232 serial interface
- ✓ USB 2.0 port
- ✓ Relay contact for remote power cycling of equipment
- ✓ Remotely configurable and OTA software upgradeable
- ✓ Event monitoring and reporting
- ✓ Access rights to the configuration parameters per unique UID
- ✓ Default "customer" configuration during production
- ✓ Black, flame retardant ABS plastic enclosure
- ✓ Complies with latest EMI/RFI Regulations
- ✓ 2 Year Warranty

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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



Network Back-up

- Where a secondary remote access route is required, in case of a fault in the WAN/LAN connection e.g. fiber access, smart building systems, EPOS, UPS etc.

Electric Mobility

- Electric charging stations may be equipped with data equipment 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.

Radio Capabilities

Five Bands UMTS (WCDMA/FDD) Bands: 800, 850, 900, 1900 and 2100 MHz

Quad-Band GSM Bands: 850, 900, 1800 and 1900 MHz

Connectors

| | |
|---------------------|------------------------------------|
| Power Connector | DC Power jack 2.1mm |
| Relay (normal open) | 1x RJ-11 |
| RS-232 | 9-pins sub-D male |
| USB | 2.0 (max. bandwidth of 480 Mbit/s) |
| Ethernet connectors | 1x RJ-45 |
| Antenna connector | RP-TNC |

Power Requirements

| | |
|---|----------------------------|
| Power Jack | 12VDC...48VDC, 15Watt max. |
| Power over Ethernet (passive) | 38VDC...56VDC, 15Watt max. |
| Unit ships standard with 3G antenna and universal 20Watt PoE power supply | |

Environmental

| | |
|-----------------------|--------------------------------|
| Operating Temperature | -10° to 40°C with no derating |
| Storage Temperature | -30° to +85°C |
| Relative Humidity | 5% to 95% non-condensing |
| Cooling | Convectional - non vented case |

Mechanical

| | |
|-----------------|--|
| Case Dimensions | 234L x 134W x 43H (mm) |
| Case Material | Black, Flame retardant ABS plastic UL94V-0 |
| Weight | 14 Ounces, 400 grams |

