

C-router

RE.40.CDMA

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Universal CDMA/CDMA1x M2M unit

The C-router is a universal wireless machine to machine unit. The C-router features integrated 1x/QNC/HSPD and Dual band CDMA functionality, and has been certified for the Verizon Wireless network. 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
- ✓ CDMA Dual Band 800/1900 MHz - Data Capabilities: 1x/QNC/HSPD
- ✓ Support of RUIM (Removable User Identity Module) cards enables compatibility with CDMA carriers worldwide
- ✓ Remotely configurable and software upgradeable
- ✓ Event monitoring and reporting from monitored equipment
- ✓ L2TP VPN client
- ✓ 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

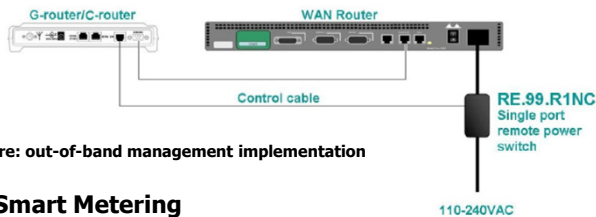


Figure: out-of-band management implementation

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
- CDMA1x 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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