

U-router NGW

Ordering info: RE.45.HCRG (International model)

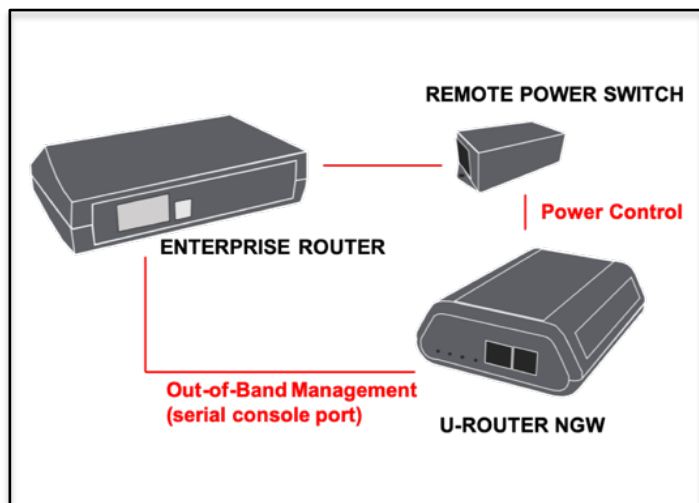
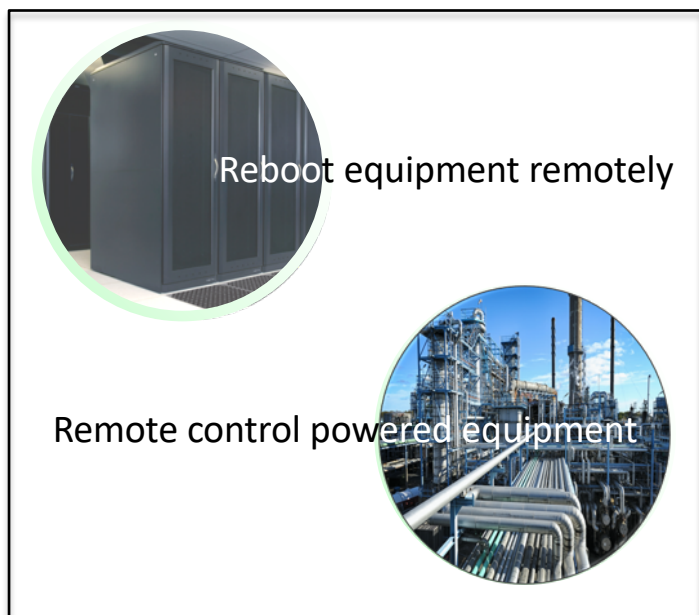
Ordering info: RE.45.HCRV (Verizon Wireless USA model)

Control devices remotely from anyplace, anywhere and anytime over LTE Cat M1, NB1 and EGPRS cellular networks

The U-router NGW is a universal wireless IOT data router supporting the latest in wireless technology. The U-router NGW is designed for operation in LTE bands 2, 3, 4, 5, 8, 12, 13, 20 and 2G Quad-band. 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.

The U-router NGW also provides a terminal server for remote out-of-band management of network equipment. Using the U-router NGW to connect to the router console interface, IT administrators can remotely troubleshoot and repair network equipment. Personnel no longer need to be deployed to manually reset networking equipment, dramatically reducing the number of field visits.

Network Infrastructure



SPECIFICATION

LTE & 2G CELLULAR WAN

International model (RE.45.HCRG)

Cat M1/NB1 deployed bands: 2, 3, 4, 5, 8, 12, 13, 20, 26*, 28*; EGPRS quad-band, 850/900/1800/1900 MHz (* roaming bands)

Verizon Wireless USA model (RE.45.HCRV)

Cat M1 bands: 2, 4, 5, 12, 13

HOST INTERFACES

- 10/100 Base-T RJ45 Ethernet port
- RS-232 Serial Console Port on RJ-45 connector (Cisco compatible)
- RS-485 Modbus and RIOT serial protocols on RJ-11 connector
- USB-A 2.0 Connector
- SMA antenna connector

INPUT/OUTPUT

- Digital output (dry contact)

MANAGEMENT INTERFACES

- Web-Based User Interface
- Command Line Interface
- HTTP Rest-API

2 Year Warranty



POWER REQUIREMENTS

Power Jack	microUSB
Voltage	5.1 VDC
Current Consumption	2.5A maximum

Unit ships standard with a worldwide 110-240VAC power supply with changeable heads for use in European, Asia and USA regions.



FRONT PANEL

Power LED	Blue
Contact LED	Green
Modem LED	Green
Alert LED	Green
Serial Port (RS232)	RJ45 connector
Expansion Port (RS485 and dry contact)	RJ11 connector

MAIN CPU BOARD

CPU	Microchip AT91SAM9G25 MPU (ARM9@400Mhz)
Memory	DDR2 RAM 128 MB @ 16 bit
Storage	16GB Flash Memory
Operating System	Linux 5.4.20



MECHANICAL

Case Dimensions	127.00L x 96.52W x 38.10H (mm)
Case Material	Black, Flame retardant ABS plastic UL94V-0
Weight	300 grams, 10.6 Ounces

ENVIRONMENTAL

Operating Temperature	-10o to 40oC with no derating
Storage Temperature	-30o to +85oC
Relative Humidity	5% to 95% non-condensing
Cooling	Conventional – non vented case



*for software, documentation and more visit:
<https://www.rfi-engineering.com/index.php/u-router-ngw/>

REAR PANEL

USB Port	USB-A connector
Ethernet Port	RJ45 10/100 Mbps
Power Port	Micro USB connector (5.1VDC @ 2.5A)
Antenna Port	SMA connector
Unit ships standard with a 4G LTE/3G/2G Ultra Wideband Hinged Connector Antenna (698-960, 1710-2170, 2500-2700 MHz)	



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