COURIER® M2M 4G LTE CAT 1 CELLULAR GATEWAY

The new USR® Courier® M2M 4G LTE Cat 1 Cellular Gateway provides cost-effective LAN-to-WWAN small-volume data transfer on all major 4G cellular networks. Affordable Cat 1 hardware reduces overall costs signifciantly while lowering the entry barriers to a wide range of M2M solutions making for an easier transition from analog to a long-term cellular solution. With an embedded serial port, the gateway allows quick implementation for a wide variety of serial-based systems already out in the field — making it ideal for M2M Serial applications including remote maintenance and control, Point-of-Sale, ATMs, monitoring, and automation. The embedded HTML-based GUI makes initial configuration simple and fast, with remote configuration available after deployment. For reliable, secure connections rely on USR's international cellular modems and gateways for mission-critical applications.

USR®
A Division of UNICOM® Global

Making M2M Cellular Connections Easier

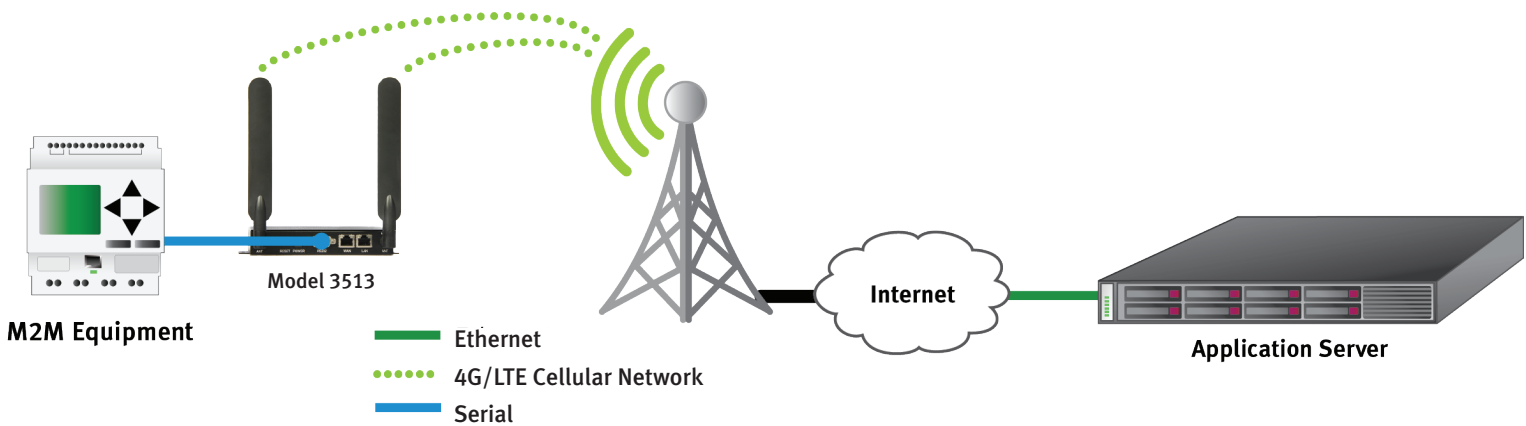|	
M2M Partnerships for a Complete Solution	• Access to MVNO with no volume restrictions offering worldwide SIMs and data plans • Provisioned SIMs available for immediate drop-ship for qualified customers* • Dedicated Sales and Engineering staff available to help plan M2M solutions
Courier Brand	• Reliable modems trusted by IT admins for over 30 years • Business-class, rock-solid quality you can depend on for mission critical applications
Security & Reliability	• Encrypted cellular connections when combined with a network operator's secure tunnel prevent eavesdropping and block unauthorized access* • All software and configuration images are protected with digital signatures with rollback safety • Built-in persistent and reliable connectivity ideal for remote management solutions • Username and password-based security mechanisms protect all management functions • Wired LAN and WAN connectivity facilitates compliance with strict medical safety requirements
Easy Setup	• Simple and fast installation with custom settings for each device • User friendly GUI (Graphical User Interface) for configuring SIMs, firewalls, port filtering, and monitoring status
Industrial Quality Design	• Compact design ideal for branch offices with small IT closets or small off-site locations in need of remote management • Rugged steel housing for use in harsh conditions • Concealed SIM slot discourages unauthorized removal of SIM • Versatile mounting options to increase stability and security
Cellular Compatibility	• 4G LTE Category 1 • 2G Fallback
Regulatory Approvals	• GCF-approved module • CE, RED
Multiple interfaces	• RS-232 (DB9) Serial interface for easy communication with console ports, ATMs, digital signage, and meters • 10/100 RJ45 Ethernet to connect to LANs, ATMs, and POS systems (credit card processors) • 10/100 RJ45 WAN to connect to WAN Network
Advanced Features	• Web-based remote configuration capability via static IP

Services dependent on MVNO partnership for qualified customers, subscriptions may be required.

Model 3513

M2M Equipment

Internet

Application Server

— Ethernet
····· 4G/LTE Cellular Network
— Serial

USR803513
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SPECIFICATIONS & STANDARDS

PHYSICAL
- 1 Main Antenna Connection: 50 Ohm SMA female (WWAN Main)
- 1 Aux Antenna: 50 Ohm SMA female (WWAN Div)
- 1 RS-232 connection: DB9-F
- 2 10/100 Mbps RJ45 connectors (LAN, WAN)
- 1 Power connector: 2 pin barrel
- 6 LEDs showing power, LAN/WAN status and receive signal strength indicator (RSSI)
- 1 Reset switch
- 1 Internal SIM slot (1.8V/3V) - USIM/SIM Class B and Class C

POWER
- DC Power in 8-12.5 V DC

RADIO TECHNOLOGY & FREQUENCY BANDS
- 4G LTE Cat 1: 2100, 1800, 2600, 900, 800 MHz (B1, B3, B7, B8, B20)
- 2G Fallback 900/1800 MHz (B3, B8)

MAXIMUM CONNECTIVITY SPEEDS
- 4G LTE Cat 1: 10.0 Mbps down, 5.0 Mbps up
- 2G Fallback
  - Class 8: 57.6 Kbps down, 14.4 up
  - Class 10: 43.2 Kbps down, 28.8 up

SECURITY
- IPsec
  - Encryption: DES, 3DES, AES192, AES 256
  - Authentication: MD5, SHA1
  - Key Group: MODP1024, MODP1536
- OpenVPN
  - Interface: TAP, TUN
  - Protocol: TCP, UDP
- Firewall
  - Remote Access
  - DMZ
  - Inbound Port Forwarding
  - Outbound Port Filtering
  - Outbound Trusted IPs

GRAPHICAL USER INTERFACE
- HTML configuration is supported by most web browsers

REGULATORY & APPROVALS
- Network: GCF *Module only*
- CE/RED
- RoHS Compliant

ENVIRONMENTAL
- **Temperature conditions:** Operating: -10 to 70° C, Non-Operating: -40 to 85° C
- **Humidity operational:** 5%-95% non-condensing

ENCLOSURE TYPE
- Industrial-Grade Steel

MOUNTING
- 6 through holes for M3 bolts
- Mounting holes for DIN rail adaptor (not included)

PACKAGE DIMENSIONS/WEIGHT
- 26.6 x 16.2 x 5.8 cm (10.47 x 6.38 x 2.28 in.)
- .86 kg (1.90 lb)

PRODUCT DIMENSIONS/WEIGHT
- 14.88 x 11.33 x 2.65 cm (5.85 x 4.46 x 1.04 in.)
- .43 kg (.95 lb)

PACKAGE CONTENTS
- USR Courier M2M 4G LTE CAT 1 Cellular Gateway
- Two (2) 0db SMA Penta-band Antennas
- Ethernet Cable
- Power Supply with EU & UK blades
- Quick Start Guide

PRODUCT NUMBERS
- USR803513 - Europe
- USR3513 - North America

WARRANTY
- Two-year limited manufacturer warranty from date of purchase

CE RoHS Compliant 2011/65/EU