

USR3513

COURIER® M2M 4G LTE CAT 1 CELLULAR GATEWAY

CELLULAR
M2M

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 significantly 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.



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
- Change network carriers in less than a minute
- 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
- 3G Fallback for AT&T and T-Mobile

Regulatory Approvals

- PTCRB-approved module
- FCC, IC

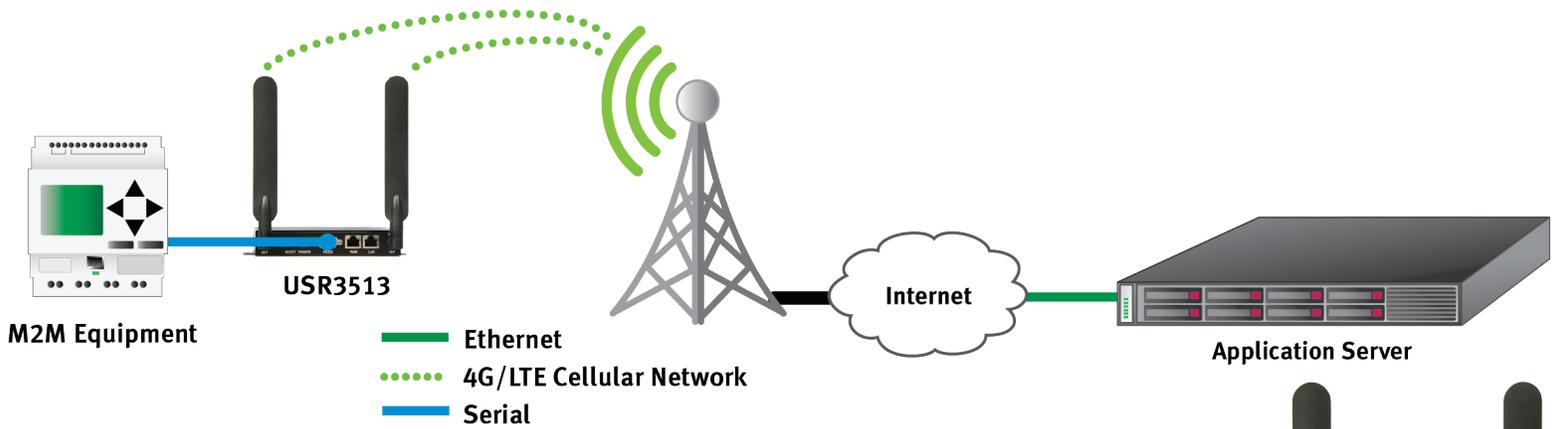
Multiple interfaces

- 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.



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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: 1900, AWS1700, 850, 700 MHz (B2, B4, B5, B12, B13)
- 3G Fallback 1900 and 850 MHz (B2, B5)

MAXIMUM CONNECTIVITY SPEEDS

- 4G LTE Cat 1: 10.0 Mbps down, 5.0 Mbps up
- 3G Fallback
 - HSDPA Cat. 24: 42.2 Mbps
 - HSUPA Cat. 6: 5.74 Mbps

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

- FCC
- Industry Canada/IC
- Network: PTCRB *Module only*
- RoHS Compliant

ENVIRONMENTAL

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

MODULE CARRIER APPROVALS

- AT&T
- Verizon

ENCLOSURE TYPE

- Industrial-Grade Steel

MOUNTING

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

PACKAGE DIMENSIONS/WEIGHT

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

PRODUCT DIMENSIONS/WEIGHT

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

PACKAGE CONTENTS

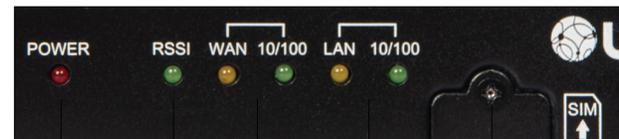
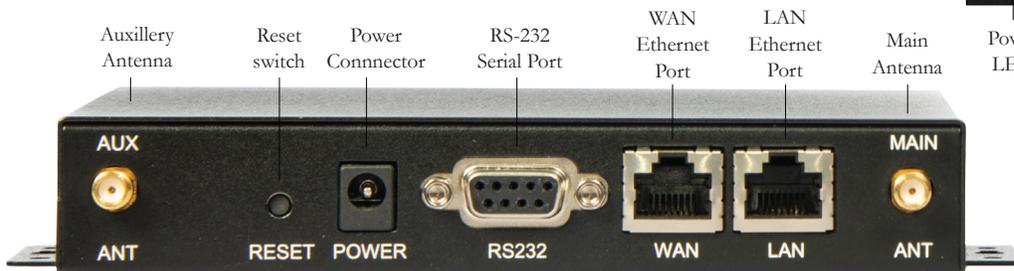
- USR Courier M2M 4G LTE CAT 1 Cellular Gateway
- Two (2) 0db SMA Penta-band Antennas
- Ethernet Cable
- US Power Supply
- Quick Start Guide

PRODUCT NUMBERS

- USR3513 - North America
- USR803513 - Europe

WARRANTY

- Two-year limited manufacturer warranty from date of purchase



Power LED, Signal Strength LED, WAN Status LEDs, LAN Status LEDs, SIM Card Slot



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