GoRugged M1000 USB
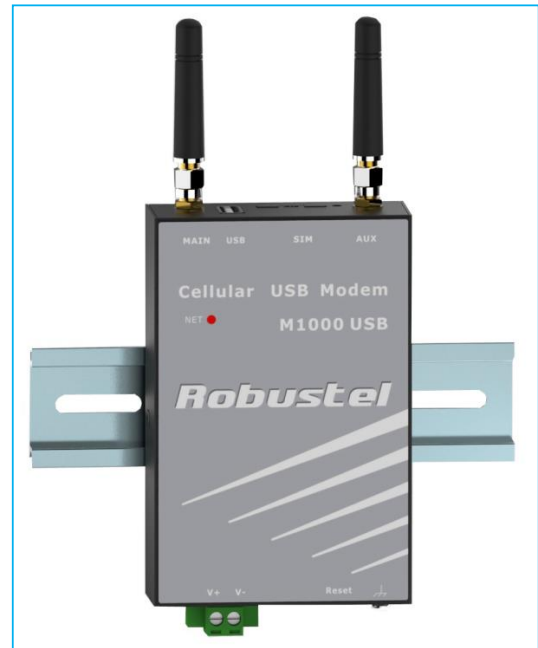
Industrial Cellular USB Modem

for 2G/3G/4G Networks

Robustel GoRugged M1000 USB is a rugged cellular modem with USB interface offering state-of-the-art 2G (GPRS/EDGE)/3G (HSPA/EV-DO)/**4G (LTE)** connectivity for machine to machine (M2M) applications.

Key Features

- Control via AT commands.
- USB 2.0 high speed interface allows it to manage and optimize the performances of 3G and 4G high-speed networks.
- LTE downlink/uplink up to 100/50 Mbps.
- GPS receiver optional for specified model.
- Antenna diversity for improved fringe performance optional.
- Comprehensive SDK and enabling drivers for Linux and Windows.
- Wide range input voltages from 9 to 36 VDC and extreme operating temperature.
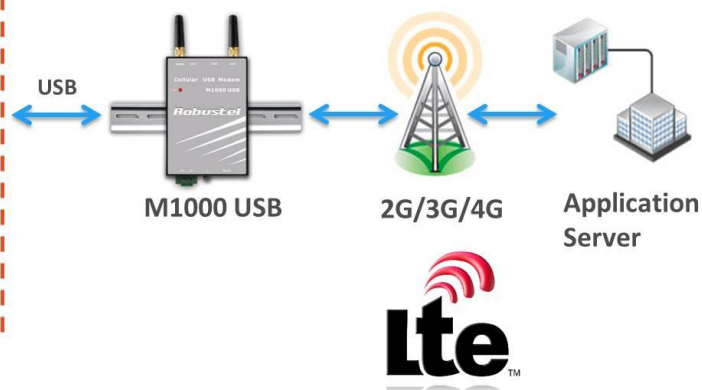- The metal enclosure can be mounted on a DIN-rail or on the wall, also with extra ground screw.

Applications

- Industrial PC connectivity
- Ticket Vending Machine connectivity
- Digital Signage connectivity

Regulatory and Type Approvals

- Approval and Detective: RoHS, WEEE

RT_DS_M1000 USB_v.2.1.0

GoRugged M1000 USB

Industrial Cellular USB Modem

Specifications

Cellular Interface
- Standards: LTE (DL/UL up to 100/50 Mbps), HSPA+/HSUPA/HSDPA/UMTS, EDGE/GPRS, EVDO 450
- Frequency: Please refer to "**Selection and Ordering Data**"
- SIM: 1 x (3V & 1.8V)
- Antenna Interface: SMA Female

USB Interface
- Number of Ports: 1 x Type A Female
- Speed: USB 2.0 High Speed (480 Mbit/s)
- ESD Protection: 15KV

GPS (optional for M1000-U3P and M1000-U4L)
- Protocol: NMEA
- Modes: Standalone GPS, Assisted GPS

Drivers
- Drivers: Windows 2000/XP/Vista/7/CE, Linux 2.6

System
- LED Indicator: NET

Power Supply and Consumption
- Power Supply Interface: 2-pin 5mm pluggable terminal block with lock
- Input Voltage: 9 to 36 VDC

Physical Characteristics
- Housing & Weight: Metal, 300g
- Dimension(L x W x H): 111 x 72 x 28 mm
- Installation: 35mm Din-Rail or wall mounting or desktop

Selection and Ordering Data

Model No.	Air Interface	Frequency	Operating Environment
M1000-U4L	LTE/HSPA+/UMTS/EDGE/GPRS	**LTE 800/900/1800/2100/2600 MHz (DL/UL up to 100/50 Mbps)** UMTS 900/2100 MHz, GSM 900/1800/1900 MHz	-25 to 60°C/5 to 95% RH
M1000-U3P	HSPA+/UMTS/EDGE/GPRS	UMTS 850/900/1900/2100 MHz (DL/UL 14.4/5.76 Mbps) , GSM Quad Band	-40 to 85°C/5 to 95% RH
M1000-U3H	HSUPA/UMTS/EDGE/GPRS	UMTS 900/2100 MHz (DL/UL 7.2/5.76 Mbps), GSM 900/1800 MHz	-40 to 85°C/5 to 95% RH
M1000-U3E	EVDO 450 Rev. B/Rev. A	EVDO 450 MHz (DL/UL 14.7/5.4 Mbps)	-20 to 60°C/5 to 95% RH
M1000-USB	mPCIe interface	w/o module, mPCIe interface	-40 to 85°C/5 to 95% RH

Optional Accessories (can be purchased separately)
- AC/DC Power Supply Adapter
- Rubber SMA Antenna
- 35mm Din-Rail mounting kit or Wall mounting kit
- Serial cable (DB9 Female to DB9 Male)

Packing List
- Robustel M1000 USB Modem
- USB Cable
- Terminal Block for Power Connector
- Document and Software CD

Contact:
www.robustel.com
info@robustel.com

© 2014 Guangzhou Robustel Technologies Co., Limited. All rights reserved.

Subject to change without notice.

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

US

sales@assured-systems.com

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050
Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28
Business Registration Number: 07699660