

# GoRugged M1000 USB

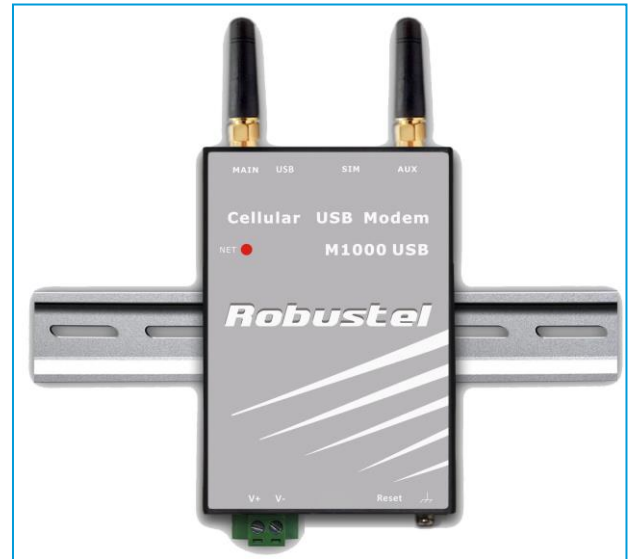
## Industrial Cellular USB Modem

### 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.

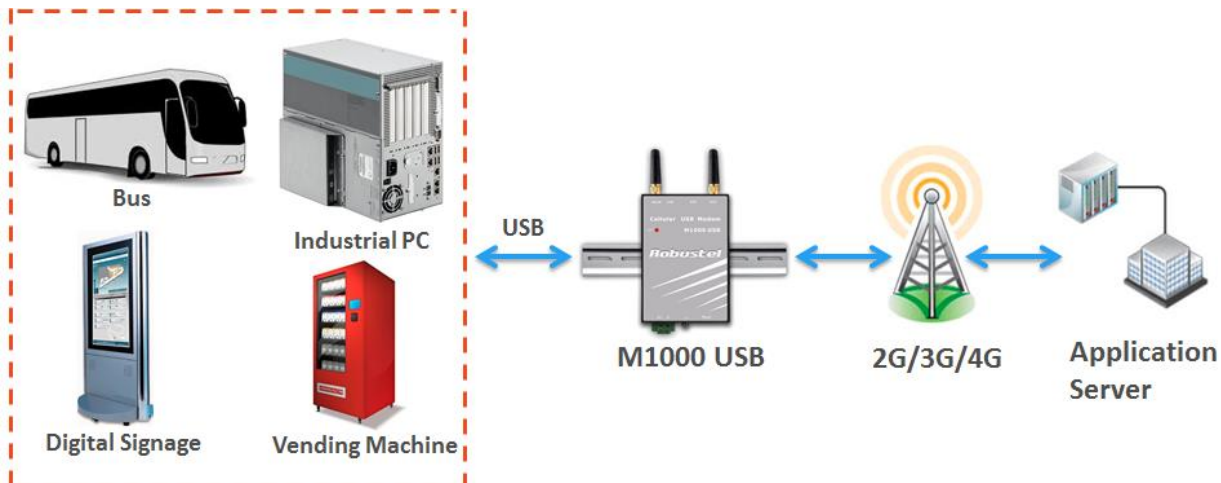


#### Applications

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

#### Regulatory and Type Approvals

- Approval and Detective: RoHS, WEEE



# 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	<b>LTE 800/900/1800/2100/2600 MHz (DL/UL up to 100/50 Mbps)</b> 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](http://www.robustel.com)

[info@robustel.com](mailto:info@robustel.com)