

M1000 MP

Industrial Cellular Modem

1 RS-232 + 1 USB Host



INTRODUCTION

The Robustel Industrial Cellular Modem M1000 MP is a compact design cellular modem based on GSM/GPRS/EDGE/UMTS/HSPA+/LTE Cat 1 networks. It offers the state-of-the-art 2G/3G/4G connectivity for machine to machine (M2M) applications, providing users with reliable data transmission. Its standards-compliant industrial designs are available to meet different industrial application needs. Moreover, M1000 MP embeds high-performance module, and supports a serial port and a high-speed USB interface.

Robustel is a leading global industrial IoT/M2M hardware and solution provider. Since its establishment in 2010 in Guangzhou, China, Robustel has been focusing on designing and manufacturing industrial cellular routers, gateways, modems, cloud platforms and E2E solutions. In order to support global business in more than 100+ countries and regions, Robustel has set up local offices in Germany, Australia, the Netherlands, the UK, Japan and Hong Kong.

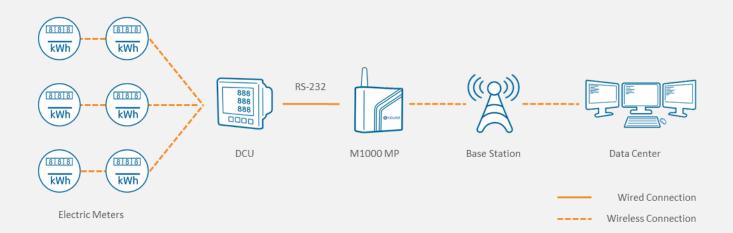
KEY FEATURES

- Control via AT commands (Hayes 3GPP TS 27.007 and 27.005)
- Connecting TCP/IP and sending SMS via AT commands
- Supporting 1 x RS-232
- Supporting 1 x mini USB 2.0 high speed interface
- -40 to +85 °C extended operating temperature
- Robust industrial design (6 to 36V DC, desktop or wall mounting or DIN rail mounting)

PACKAGE CONTENTS

- 1 x Robustel M1000 MP Industrial Cellular Modem
- 1 x 2-pin 3.5 mm male terminal block for power supply
- 1 x Quick Start Guide with download link of other documents or tools

APPLICATION EXAMPLE



SPECIFICATIONS

Cellular Interface

 Number of antennas
 1 (MAIN)

 Connector
 SMA-K

 SIM
 1 (3 V & 1.8 V)

GSM/GPRS/EDGE/UMTS/HSDPA/HSUPA/HSPA+/

Standards LTE Cat 1

Serial Interface

Number of ports 1 x RS-232 Connector DB9 female

Baud rate 1200 bps to 115200 bps RS-232 RxD, TxD, RTS, CTS, GND

USB Interface

Number of ports 1 x mini USB Connector Mini female

Speed 2.0 high speed up to 480 Mbit/s

Others

Reset button 1 x RST

LED indicators 1 x POWER + 1 x STATUS

Power Supply and Consumption

Connector 2-pin 3.5 mm female socket

Input voltage 6 to 36V DC

Power consumption Idle: 50 to 60 mA@12 V

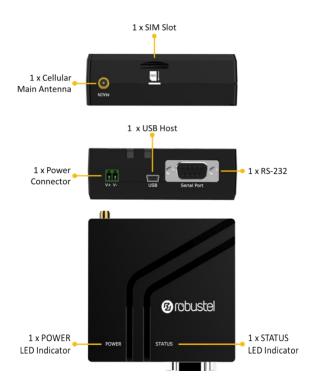
Data link: 100 to 200 mA (peak) @12 V

Physical Characteristics

Ingress protection IP30
Housing & Weight Plastic, 90 g
Dimensions 85 x 75 x 28.5 mm

Installations Desktop, wall mounting and 35 mm DIN rail

mounting



ORDERING INFORMATION

Model	M1000-MP3PA	M1000-MP4LA
Part Number	B007409	B007701
Modem Type	3G Modem	4G Modem
Cellular Module	EHS6	ELS61-E-R2
Antenna Number	1	1
Serial Port	1 x RS-232	1 x RS-232
Mini USB Port	1	1
Input Voltage	6 to 36V DC	6 to 36V DC
Air Interface	GSM/GPRS/EDGE/HSDPA/HSUPA	GSM/GPRS/EDGE/UMTS/HSPA+/LTE Cat 1
Frequency Bands*		
4G	' -	B1/B3/B8/B20/B28
3G	B1/B2/B3/B5/B6	B1/B8
2G	B2/B3/B5/B8	B3/B8
Operating Temperature	-40 to +85 °C	-40 to +85 °C
Storage Temperature	-40 to+ 85°C	-40 to+ 85°C
Relative Humidity	5 to 95% RH	5 to 95% RH
Approvals	CE, EAC, RoHS2.0, WEEE, ICASA	CE, EAC, RoHS2.0, WEEE, ICASA

^{*}For more information about frequency bands in different countries, please contact your Robustel sales representative.

