

M1000 MP

Industrial Cellular Modem

1 x RS-232 + 1 x Mini USB



INTRODUCTION

The Robustel Industrial Cellular Modem M1000 MP is a compact cellular modem designed for GSM/GPRS/EDGE/UMTS/HSPA+/LTE Cat 1 networks. It offers state-of-the-art 2G, 3G, and 4G connectivity for machine-to-machine (M2M) applications, ensuring reliable data transmission for users.

Its standards-compliant industrial design meets diverse application needs, while the M1000 MP incorporates a high-performance module and supports both a serial port and a high-speed USB port.

Robustel is a renowned global provider of industrial IoT/M2M hardware and solutions. Since its establishment in 2010 in Guangzhou, China, Robustel has focused on the design and manufacture of industrial cellular routers, gateways, modems, cloud platforms, and end-to-end solutions. To support global operations in over 100 countries and regions, Robustel has established local offices in Germany, Australia, the UK, and Hong Kong.

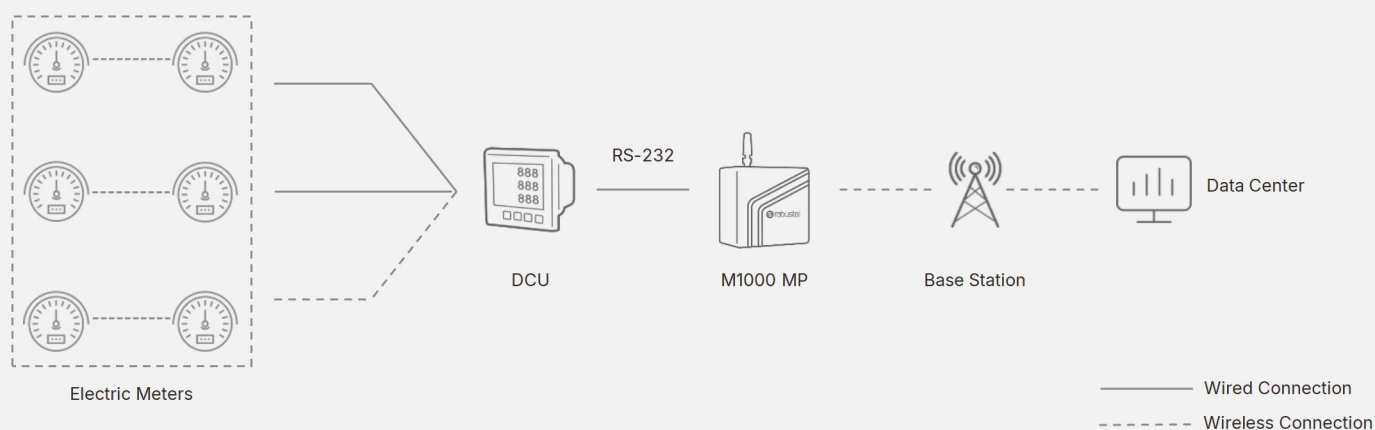
KEY FEATURES

- Control via AT commands (Hayes 3GPP TS 27.007 and 27.005)
- TCP/IP connectivity and SMS transmission through AT commands
- Supports 1 x RS-232 port
- Supports 1 x mini USB 2.0 high-speed port
- Robust industrial design accommodating 6–36 VDC, with options for desktop, wall, 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 links to download other documents and tools

APPLICATION EXAMPLE



SPECIFICATIONS

Hardware

Cellular Interface

Number of antennas	1 (MAIN)
Connector	SMA-K
SIM	1 x Mini SIM (2FF)
Standards	GSM/GPRS/EDGE/UMTS/HSDPA/HSUPA/HSPA+/ LTE Cat1

Serial Port

Number of ports	1 x RS-232
Connector	DB9 female
Baud rate	1200–115200 bps
Signal definition	RS-232: RxD, TxD, RTS, CTS, GND

USB Port

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 and 1 x STATUS

Power Supply and Consumption

Connector	2-pin 3.5 mm female socket
Input voltage	12/24 VDC, 6–36 VDC Reverse polarity protection, surge protection
Power consumption	Idle: 1.0 W@12 V Max: 2.5 W@12 V
Rec. power supply	12 VDC/1.0 A power adapter

Physical Characteristics

Ingress protection	IP30
Housing & Weight	Plastic, 90 g
Dimensions	28.5 x 75 x 85 mm
Installation	Desktop, wall mounting & 35 mm DIN rail mounting
Operating temperature	-20 to +70 °C
Storage temperature	-40 to +85 °C
Relative humidity	5–95% RH (non-condensing)

Regulatory and Type Approvals

Environmental	RoHS2.0, WEEE
EMI	EN 55032 Conducted Emission Class B EN 55032 Radiated Emission Class B
EMS	EN 61000-4-2 (ESD) Contact Level 2, Air Level 3 EN 61000-4-3 (RS) Level 2 EN 61000-4-4 (EFT) Level 2 EN 61000-4-5 (Surge) Level 3, AC Mains Power Port EN 61000-4-6 (CS) Level 2

ORDERING INFORMATION

Model	Order Code	Frequency Bands	Region	Certifications	Package Contents
M1000-MP4LA	A000700704	4G: B1/3/7/8/20/28 2G: B3/8	EMEA and SEA	CE, RCM	1 x Modem (B Code: B007702)

- NOTE:**
- 1. For more information about regional and carrier-specific variants, please contact us.
 - 2. * Denotes certification in progress.