



M1000 XP

Industrial Serial to Cellular Gateway
1 RS-232/RS-485 + 1 USB Host



INTRODUCTION

Based on GSM/DCS/PCS networks, Industrial Serial to Cellular Gateway M1000 XP is a wireless data terminal widely used in industrial data collection and transmission. It provides users with a safe, stable, flexible and practicable data private network and realizes entirely transparent data transmission in M2M field. The M1000 XP fully considers need of industrial application in terms of technological design with all its specifications meeting industry standard. Various user demands can be met as high-performance modules from home and abroad which supports interfaces such as RS-232/RS485 and Mini USB 2.0 are adapted.

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.

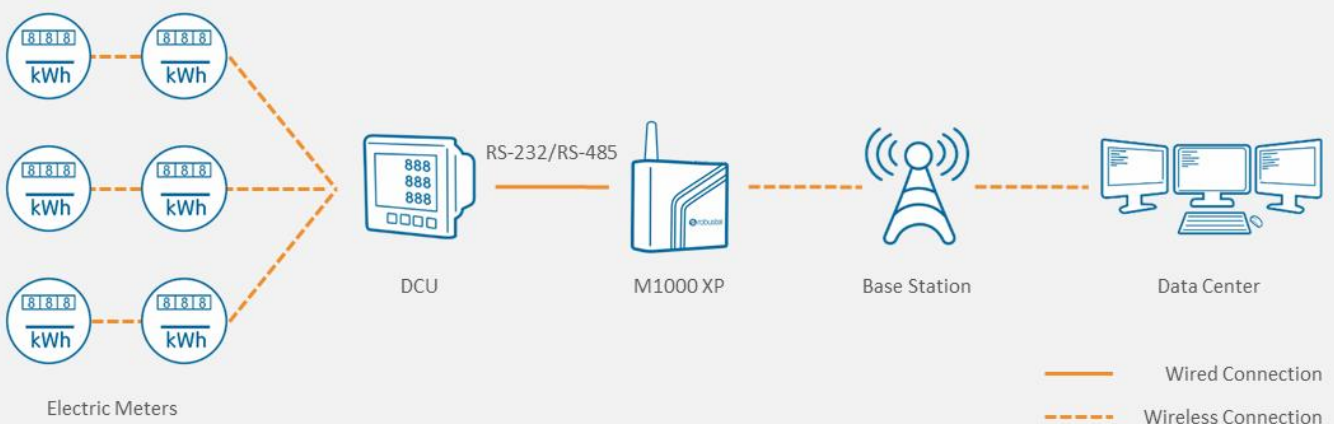
KEY FEATURES

- Auto cellular connect or reconnect (no AT commands required)
- Various dial-up policies supporting *Always Online* and *Connect on Demand*
- Auto reboot via SMS/Caller ID/Timing
- Supporting 1 x RS-232/RS-485
- Supporting 1 x mini USB 2.0 high speed interface for power, configuration and upgrading
- -40 to +85 °C extended operating temperature
- Robust industrial design (6 to 18V DC, desktop or wall mounting or DIN rail mounting)

PACKAGE CONTENTS

- 1 x Robustel M1000 XP Industrial Serial to Cellular Gateway
- 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 female
SIM	1 (3 V & 1.8 V)
Standards	GSM/DCS/PCS

Serial Interface

Number of ports	1 x RS-232 or 1 x RS-485
Connector	DB9 female
ESD protection	± 15 KV
Baud rate	1200 bps to 115200 bps
RS-232	RxD, TxD, RTS, CTS, GND
RS-485	Data+ (A), Data- (B)

USB Interface

Number of ports	1 x mini USB
Connector	Mini female
ESD protection	± 15 KV
Speed	2.0 high speed up to 480 Mbit/s

LED Indicator

Number of indicators	1 x POWER + 1 x STATUS
Type	Monochromatic

Protocols and Managements

Network protocol	PPP, TCP, UDP, ICMP, DDNS, SNTP, Telnet
Serial protocol	TCP Client/Server, UDP, Modbus RTU to TCP, Virtual Serial
Device Management	<i>Configurator</i> tool (used in combination with serial or USB ports) SMS, TCP, RobustLink (a self-developed centralized management platform of Robustel)

Power Supply and Consumption

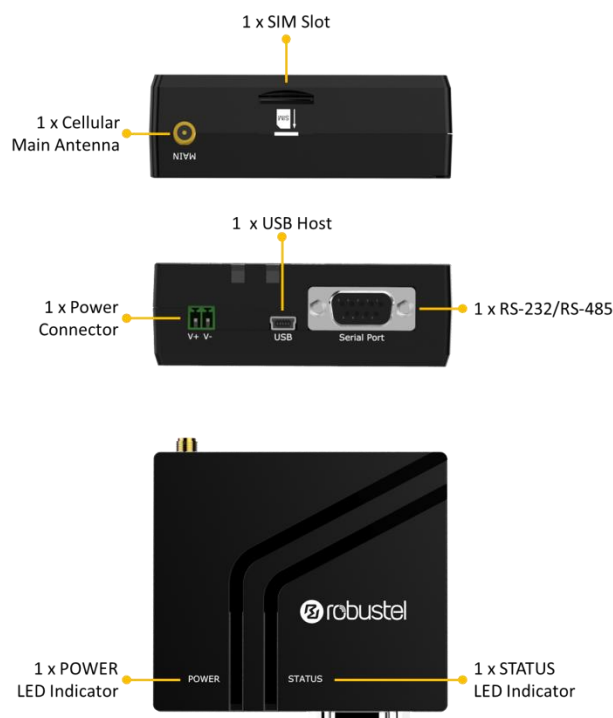
Connector	2-pin 3.5 mm female socket
Input voltage	6 to 18V DC
Power consumption	Idle: 50 to 60 mA@12 V Data link: 100 to 200 mA (peak) @12 V

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

Certifications

Approvals & Certificates	CE, RoHS, WEEE, R&TTE
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ORDERING INFORMATION

Model	M1000-XP2GA	M1000-XP2GB
Modem Type	2G Gateway	2G Gateway
Antenna Number	1	1
Serial Port	1 x RS-232	1 x RS-485
Mini USB Port	1	1
Input Voltage	6 to 18V DC	6 to 18V DC
Air Interface	GSM/DCS/PCS	GSM/DCS/PCS
Frequency Bands	GSM 850/900 MHz	GSM 850/900 MHz
2G	DCS 1800/PCS 1900 MHz	DCS 1800/PCS 1900 MHz
Operating Environment	-40 to +85 °C 5 to 95% RH	-40 to +85 °C 5 to 95% RH

Note: Due to wireless module difference, different version of XP product may have different modem configurator and firmware. Please consult with our technical support engineer for more information.