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robustos M1200

Smart Industrial IoT Gateway 2 SIM + 2 DI + 1 DO + 1 RS232 + 1 RS485 + 1 Mini USB



The Robustel Smart Industrial IoT Gateway M1200 is a compact cellular gateway based on GSM/GPRS/EDGE/ UMTS/WCDMA/ HSDPA/ HSUPA/HSPA+/FDD LTE/TDD LTE/Cat. M1/Cat.NB1 networks.

This dual-SIM gateway enables remote data transmission of local serial ports and I/O, and supports such interfaces as RS232, RS485 and mini-USB. M1200 provides users with stable network connectivity and data transmission. It is available to meet industrial application demands for its standards-compliant industrial designs. As a universal gateway, it can be applied in many scenarios such as Energy, Transportation and Agriculture, etc.

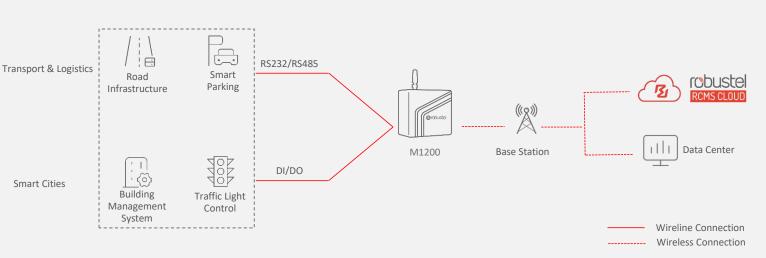
RCMS is Robustel's free router monitoring service that is fully compatible with the M1200. It allows customer to see a location overview of their routers quickly and simply on a map. Features such as data usage, signal strength, current network and much more can then be viewed on a per router basis. Over-the-air updates are supported for Firmware, router configuration and Apps serving as essential 'insurance' if anything was not quite right during deployment.

You can try Robustel's free router management platform by signing up here: <u>https://rcms-cloud.robustel.net</u>



KEY FEATURES

- Auto GSM/GPRS/EDGE/UMTS/WCDMA/HSDPA/ HSUPA/HSPA+/FDD LTE/TDD LTE/Cat.M1/Cat.NB1 connections (No AT command required)
- Dual-SIM backup (push-push or MFF type optional)
- IPsec/OpenVPN/GRE/L2TP/PPTP
- Transparent TCP and UDP protocol connections
- ICMP, DDNS, SNTP and Telnet
- Modbus RTU to TCP
- Auto rebooting via SMS and Timer
- Configuration and firmware upgrading via USB and RCMS
- Sending SMS if DI is triggered
- Robust industrial design (9 ~ 36 VDC, -40 ~ +75 °C extended operating temperature, desktop or wall mounting or DIN rail mounting)
- Support bridge (modem only) mode, via serial port or USB port



APPLICATION EXAMPLE



SPECIFICATIONS

Cellular Interface Number of antennas Connector SIM Standards	1 SMA-K 2 Mini SIM (2 FF) GSM/GPRS/EDGE/UMTS/WCDMA/HSDPA/ HSUPA/HSPA+/FDD LTE/TDD LTE/ Cat M1/Cat NB1	App Center (Available Ap Apps* *Request on demand. For m SDK Supported programming language	pps for RobustOS) Language, RCMS nore Apps please visit www.robustel.com. C, C++
Serial Interface Number of ports Connector Baud rate Signal definition DI/DO	1 x RS232 + 1 x RS485 10-pin 3.5 mm RP female socket with lock 300 bps ~ 115200 bps RS232: TxD, RxD, GND RS485: A (Data+), B (Data-)	Flash available for SDK RAM available for SDK Power Supply and Cou Connector Input voltage Power consumption	3 MB 16 MB nsumption 10-pin 3.5 mm RP female socket with lock 9 ~ 36 VDC Idle: 50 ~ 70 mA @12 V Data link: 300 mA (peak) @12 V
Number of ports Connector ESD withstand level Absolute maximum V DC	2 x DI (wet contact) + 1 x DO (wet contact) 10-pin 3.5 mm RP female socket with lock contact: ±6 K, air: ±8 K "V+" +5 VDC (DI), 30 VDC (DO)	Physical Characteristic Ingress protection Housing & Weight Dimensions	u , -
USB Interface Number of ports Connector Speed Others	1 x Mini USB for configuration Mini female 2.0 high speed, up to 480 Mbit/s	Operating temperature Storage temperature Relative humidity	
LED indicators Built-in Software (Basic features of Network protocols VPN tunnel Remote management Serial port	1 x RUN, 1 x RSSI (red/green bi-color light) RTC, Watchdog, Timer of RobustOS) PPP, TCP, UDP, ICMP, HTTP, HTTPs, DNS, NTP, SMTP, Telnet, SSH2, DDNS, etc. IPsec, OpenVPN, GRE Web, CLI, SMS Transparent, TCP Client/Server, UDP, Modbus RTU Gateway	Regulatory and Type A Environmental EMI EMS	

ORDERING INFORMATION

Model	PN	Category	Frequency Bands*	Country/Region	Certifications (*In progress)
M1200-4L	B033701	Cat 4	 4G: LTE FDD: B1/B2/B3/B4/B5/B7/B8/B28 LTE TDD: B40 3G: WCDMA: B1/B2/B5/B8 2G: GSM: B2/B3/B5/B8 	South America, Oceania	CRC, SUBTEL, Enacom, RCM
	B033702		 4G: LTE FDD: B1/B3/B5/B7/B8/B20 LTE TDD: B38/B40/B41 3G: WCDMA: B1/B5/B8 2G: GSM: B3/B8 	EMEA	ICASA, CE, UKCA

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

