

TRB255

INDUSTRIAL M2M GATEWAY



TRB255 360° VIEW

// TRB255 can be used to integrate modern and legacy industrial equipment into one solution via RS232, RS485 & Ethernet interfaces.

// This industrial LTE Cat M1 & NB-IoT gateway is backward compatible to EGPRS (2G) networks. It can still be used with 2G network, however in case it gets shut down, there is a possibility to switch to LPWAN connectivity options.

// TRB255 has a wide range of industrial and networking features such as Modbus, SMS control, Firewall, OpenVPN and more.

// This product is compatible with the Teltonika Networks Remote Management System (RMS).



CONNECTIVITY

4G LTE (Cat M1), NB-IoT, 2G

DUAL SIM

With auto failover, backup WAN and other switching scenarios

SERIAL PORTS

Equipped with RS232/RS485 serial communication interfaces

I/O

Multiple Inputs and Outputs for remote monitoring and control



RMS COMPATIBLE WITH TRB255

REMOTE MANAGEMENT SYSTEM

MANAGEMENT

ALERTS

CONFIGURATION

ACCESS

FOTA

KEY FEATURES

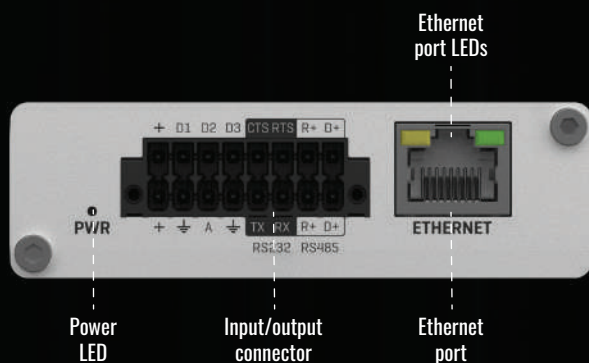
HARDWARE

| | |
|------------------------|--|
| Mobile | 4G/LTE (Cat M1), NB-IoT, 2G |
| CPU | Qualcomm QCA9531, MIPS 24kc, 650 MHz |
| Storage | 16 MB Flash |
| Memory | 64 MB RAM |
| Powering option | 16-pin terminal, 9-30 VDC |
| SIM | 2 x Internal SIM holders (2FF) |
| Antenna connectors | 1 x SMA for mobile, 1 x SMA for GPS |
| Ethernet | 1 x RJ45 port, 10/100 Mbps |
| GNSS | GPS, GLONASS, BeiDou, Galileo, QZSS |
| Inputs/Outputs | On 16-pin socket: 3 x Digital input/Digital open collector output (configurable), 1 x Analog input |
| Serial | 1 x RS232, 1 x RS485 |
| Status LEDs | 3 x Connection type, 3 x Signal strength, 2 x Ethernet, 1 x Power |
| Operating temperature | -40 °C to 75 °C |
| Housing | Aluminium housing with DIN rail mounting option |
| Dimensions (W x H x D) | 83 x 25 x 74.2 mm |
| Weight | 165 g |

SOFTWARE

| | |
|---------------------------|--|
| Operating system | RutOS (OpenWrt based Linux OS) |
| Mobile features | Multiple PDN, Auto APN, Band lock, SIM switch, Operator black/white list, Data/SMS limits |
| Network protocols | TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, SFTP, FTP, SMTP, SSL/TLS, ARP, VRRP, PPP, PPPoE, UPNP, SSH, DHCP, Telnet, SMPP, SMNP, MQTT, Wake On Lan (WOL) |
| Monitoring and Management | WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS |
| Connection monitoring | Ping Reboot, Wget reboot, Periodic Reboot, LCP and ICMP for link inspection |
| Cloud solutions | RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx |
| NTP | NTP Server, NTP Client, Sync with: External NTP server, GNSS, Mobile operator |
| GNSS | NMEA forwarding, AVL, Geofencing |
| Modbus | TCP slave, TCP master, RTU master, RTU gateway, Modbus over MQTT |
| Serial | Console, Over IP, Modem, NTRIP, Modbus |
| Administration | Multi user, Configuration profiles, Diagnostics, logs, Configuration backup |

FRONT VIEW



BACK VIEW

