





TRB255 360' VIEW



## CONNECTIVITY

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

# **SERIAL PORTS**

RS232/RS485 serial communication interfaces

### 1/0

Multiple Inputs and Outputs for remote monitoring and control

**TRB255** 

### **PRODUCT DESCRIPTION**

// 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).

FRONT VIEW



9-30V

GNSS

functionality

**DUAL SIM** 

other switching scenarios

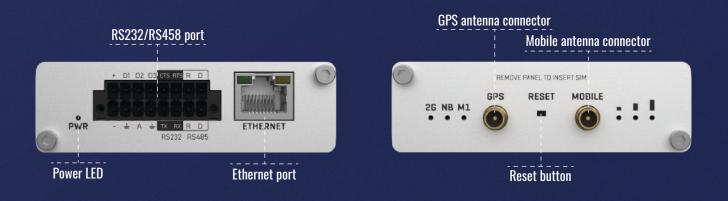
Wide range of power supply voltages

With auto failover, backup WAN and

**Global Navigation Satellite System for** 

location services with geofencing

**BACK VIEW** 



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### **KEY FEATURES**

#### HARDWARE

Mobile	4G/LTE (Cat M1), NB-IoT, 2G
CPU	Qualcomm, MIPS 24Kc, 650 MHz
Memory	16 MBytes Flash, 64 MBytes 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 10/100 Ethernet port
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 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, FTP, SMTP, SSLv3, TLS 1.3, ARP, PPP, DHCP, Telnet
Monitoring and Management	WEB UI, CLI, SSH, SMS, TR-069, SNMP, JSON-RPC, MQTT, RMS
Connection monitoring	Ping Reboot, Wget reboot, Periodic Reboot, LCP and ICMP for link inspection
Cloud solutions	RMS, FOTA, Telenor, 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

RMS

SOCIAL















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