

TRB245

INDUSTRIAL M2M LTE GATEWAY



TRB245 360° VIEW



CONNECTIVITY

4G/LTE (Cat 4), 3G, 2G

SERIAL PORTS

RS232/RS485 serial communication interfaces

I/O

Multiple Inputs and Outputs for remote monitoring and control

9-30V

Wide range of power supply voltages

DUAL SIM

With auto failover, backup WAN and other switching scenarios

GNSS

Global Navigation Satellite System for location services with geofencing functionality

TRB245

PRODUCT DESCRIPTION

// Industrial LTE Cat 4 gateway packs all essential features for any industry: fast and reliable internet connection, combination of Ethernet and serial communication, secure power connector, I/O ports, and time synchronization services.

// TRB245 can be used to integrate modern and legacy industrial equipment in one solution via RS232 or RS485 interfaces.

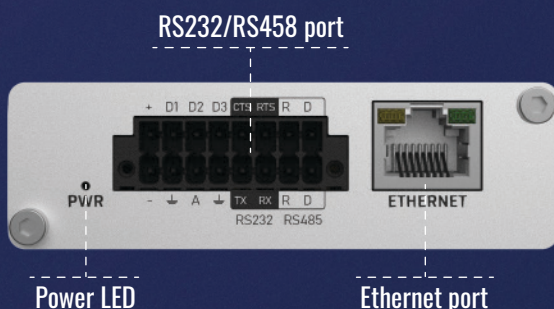
// A wide range of software features like SMS control, Firewall, OpenVPN, IPSec, RMS ensures that data can be reached securely.

// Dual SIM functionality with auto-failover and a backup WAN ensure stable connectivity even if the primary connection is lost.



FRONT VIEW

BACK VIEW



KEY FEATURES

HARDWARE

Mobile	4G/LTE (Cat 4), 3G, 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

RMS | REMOTE MANAGEMENT SYSTEM
COMPATIBLE WITH TRB245
 MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA



SOCIAL

