

TRB245

INDUSTRIAL M2M LTE GATEWAY



TRB245 360° VIEW

// 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.



CONNECTIVITY

4G LTE (Cat 4), 3G, 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

REMOTE
MANAGEMENT
SYSTEM

COMPATIBLE WITH TRB245

MANAGEMENT

ALERTS

CONFIGURATION

ACCESS

FOTA

KEY FEATURES

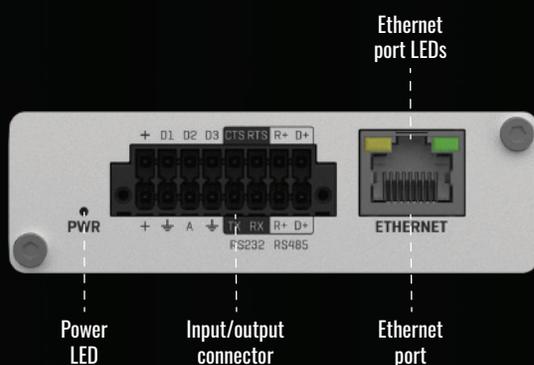
HARDWARE

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

