

# TRB246

## INDUSTRIAL IOT GATEWAY



TRB246 360° VIEW

TRB246 is an industrial 4G LTE gateway with I/O, RS232, RS485 and Ethernet interfaces for IoT solutions that require versatility and reliable M2M communication. The gateway has dual SIM card capabilities and supports multiple protocols such as DNP3, DLMS and Modbus, which are essential for smooth data transmission. With its aluminum housing, this industrial-grade IoT gateway is suitable for extreme environmental conditions in manufacturing, agriculture and construction.



### CONNECTIVITY

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

### DUAL SIM

Auto-failover, backup WAN, and more switching scenarios

### INTERFACES

Ethernet, I/Os, and serial (RS232, RS485) interfaces with 16-pin terminal block

### PROTOCOLS

Supports DNP3, DLMS, Modbus, and other communication protocols



# RMS COMPATIBLE WITH TRB246

REMOTE MANAGEMENT SYSTEM

MANAGEMENT

ALERTS

CONFIGURATION

ACCESS

FOTA

# KEY FEATURES

## HARDWARE

Mobile	4G (LTE) – LTE Cat 4 150 Mbps DL, 50Mbps UL; 3G - 42 Mbps DL, 5.76 Mbps UL; 2G - 296 Kbps DL, 236.8 Kbps UL
CPU	Mediatek, 580 Mhz, MIPS 24KEc
Storage	128 MB
Memory	16 MB
Powering options	16-pin terminal, 9-30 VDC
SIM	2 x SIM slots (Mini SIM - 2FF), 1.8 V/3 V, double stacked SIM tray
Antenna connectors	1 x SMA connector for Mobile, 1 x SMA connector for GNSS
Ethernet	1 x RJ45 port, 10/100 Mbps
GNSS	GPS, GLONASS, BeiDou, Galileo and QZSS
Inputs/Outputs	3 x Configurable digital I/O in 16-pin terminal block
Serial	1 x RS232, 1 x RS485
Status LEDs	3 x connection status LEDs, 3 x connection strength LEDs, 1 x power LED, 1 x ETH port status LED
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing
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	Auto APN, Band lock, SIM switch, Operator black/white list, Data/SMS limits, Bridge, Passthrough
Network features	Routing, Network protocols, VoIP passthrough support, Connection monitoring, Firewall, Firewall status page, Ports management, Network topology, Hotspot, DHCP, QoS / Smart Queue Management (SQM), DDNS, Network backup, SSHFS
Monitoring and Management	WEB UI, FOTA, SSH, SMS, Call, TR-069, MQTT, SNMP, JSON-RPC, RMS
VPN and tunneling	OpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard, Tinc
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
Hotspot	Captive portal (Hotspot), internal/external Radius server, SMS authorization, internal/external landing page, walled garden, user scripts, URL parameters, user groups, individual user or group limitations, user management, 9 default customizable themes
GNSS	GNSS, Coordinates, NMEA, NTRIP, Server software, Geofencing

### FRONT VIEW

### BACK VIEW

