TRB143

INDUSTRIAL RUGGED LTE GATEWAY

CONNECTIVITY

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

M-BUS SUPPORT

up to 250 supported slave M-Bus devices

COMPACTNESS

Small size, easy installation

DURABILITY

Rugged aluminum housing

12-30 V

Wide range of supported power supply voltages

RMS

Compatible with Teltonika Remote Management System

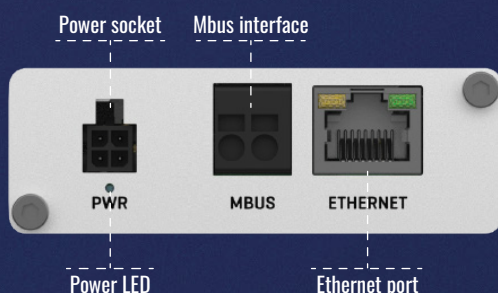**TRB143**

PRODUCT DESCRIPTION

// TRB143 is perfect to use in utility monitoring solutions, thanks to the M-BUS protocol support. Water, gas, electricity, and other consumption meter readings can be conveniently transferred using cellular or wired connectivity options.

// TRB143 is an ultra-small, lightweight, and energy-efficient industrial gateway equipped with mission-critical LTE Cat 4 capabilities, Gigabit Ethernet interface, and digital Inputs/Outputs.
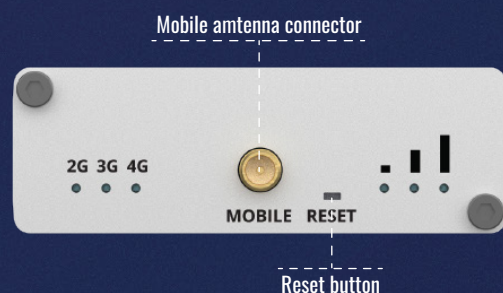
// Paired with secure and functional RutOS, plenty of processing power, and Teltonika Networks Remote Management System (RMS), this device offers unprecedented application flexibility to manage and control equipment remotely.

FRONT VIEW

Power socket   Mbus interface

PWR   MBUS   ETHERNET

Power LED   Ethernet port

BACK VIEW

Mobile amtenna connector

2G 3G 4G   MOBILE   RESET

Reset button

KEY FEATURES

HARDWARE

Mobile	4G/LTE (Cat 4), 3G, 2G
CPU	ARM Cortex-A7 1.2 GHz CPU
Storage	512 MB (200 MB available for userspace)
Memory	128 MBytes RAM (50 MBytes for userspace)
Powering option	4 pin power socket, 12-30 VDC
SIM	1 x Internal SIM holder (2FF)
Antenna connectors	1 x SMA for mobile
Ethernet	1 x 10/100/1000 Ethernet port
Intputs/Outputs	1 x Digital Input, 0 - 6 V detected as logic low, 8 - 30 V detected as logic high
M-Bus port	M-Bus port on TRB143 can support aup to 6 Slave M-Bus devices. If slaves are self-powered, the max slave count is 250.
Status LEDs	3 x Connection type, 3 x Connection 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)	74.5 x 25 x 64.4 mm
Weight	135 g

SOFTWARE

Operating system	RutOS
Mobile features	Auto APN, Band lock, Operator black/white list, Data/SMS limits
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, SMTP, SSL v3, TLS, PPP, PPPoE, SSH, DHCP, SNMP, MQTT, Wake on LAN (WOL)
Firewall	Port forward, Traffic rules, Custom rules, Pre-configured firewall rules can be enabled via the WebUI, unlimited firewall configuration via CLI; NAT; NAT-T
Security	DDOS prevention (SYN flood protection, SSH attack prevention, HTTP/HTTPS attack prevention), Port scan prevention (SYN-FIN, SYN-RST, X-mas, NULL flags, FIN scan attacks)
VPN and tunneling	OpenVPN, IPsec, GRE, PPTP, SSTP, Stunnel, DMVPN L2TP, ZeroTier, WireGuard
Monitoring and management	WEB UI, FOTA, 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, Telenor, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
SMS features	SMS status, SMS configuration, send/read SMS via HTTP POST/GET, EMAIL to SMS, SMS to EMAIL, SMS to HTTP, SMS to SMS, scheduled SMS, SMS autoreply, Call utilities
Services	WEB UI, CLI, SSH, SMS, TR-069, SNMP, JSON-RPC, MQTT, RMS

RMS

RMS
REMOTE MANAGEMENT SYSTEM

COMPATIBLE WITH TRB143

MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

SOCIAL