TRB143

M-BUS CELLULAR GATEWAY

// With an integrated M-Bus interface, the TRB143 industrial gateway was engineered explicitly for telemetry and utility-monitoring applications. Cellular and wired connectivity enhance the telemetry process by ensuring the data transferring of meter readings.

// This device has one Gigabit Ethernet port and a pair of digital Inputs/Outputs, which makes it easily applicable to a myriad of environmental parameter-monitoring scenarios.

// Remote monitoring and configuration are made easy and secure thanks to software security features, such as a preconfigured Firewall and Open VPN, and compatibility with FOTA, SMS control and Teltonika Networks' own Remote Management System.

M-BUS INTERFACE

Supporting up to 250 slave devices

CONNECTIVITY

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

COMPACT

Easy, simple integration

RMS

Compatible with Teltonika Networks Remote Management System

RMS | REMOTE MANAGEMENT SYSTEM

COMPATIBLE WITH TRB143

MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

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KEY FEATURES

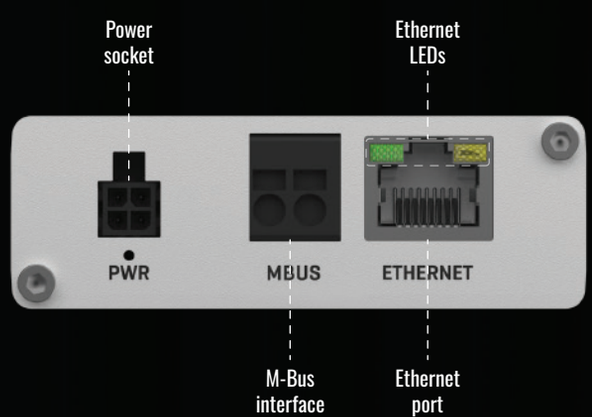
HARDWARE

Mobile	4G (LTE) – Cat 4 up to 150 Mbps, 3G – Up to 42 Mbps, 2G – Up to 236.8 kbps
CPU	ARM Cortex-A7 1.3 GHz CPU
RAM	256 MB (160 MB available for userspace)
Flash storage	512 MB (200 MB available for userspace)
Powering options	4-pin power socket, 12 – 30 VDC
SIM	1 x SIM slot (Mini SIM – 2FF), 1.8 V/3 V
Status LEDs	3 x connection type status LEDs, 3 x connection strength LEDs, 2 x LAN status LEDs, 1 x Power LED
Inputs/Outputs	2 x Configurable I/O pins on 4-pin power connector
M-Bus	1 x M-Bus Interface
M-Bus interface	The M-Bus interface can support up to 250 slave devices and can power up to 6 slave devices
Ethernet	1 x RJ45 port, 10/100/1000 Mbps
Ingress protection rating	IP30
Operating temperature	-40 °C to 75 °C
Housing	Aluminum housing
Dimensions	74.5 x 25 x 64.4 mm
Weight	145 g
Installation	DIN rail, wall mounting (additional kits needed), flat surface placement

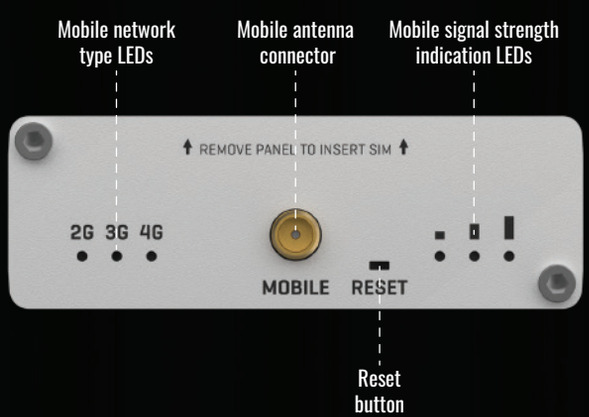
SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
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)
Network features	Routing, Connection monitoring, Firewall, DHCP, QoS / Smart Queue Management (SQM), DDNS, SSHFS
VPN and tunneling	OpenVPN, GRE, IPsec, PPTP, L2TP, SSTP, Stunnel, DMVPN, WireGuard, ZeroTier
Monitoring and Management	WEB UI, FOTA, SSH, SMS, Call, TR-069, MQTT, SNMP, JSON-RPC, Modbus, RMS
Connection monitoring	Ping Reboot, Wget Reboot, Periodic Reboot, LCP and ICMP for link inspection
Cloud solutions	RMS, Clouds of things, ThingWorx, Cumulocity, Azure IoT Hub

FRONT VIEW



BACK VIEW



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