TRB143

M-BUS CELLULAR GATEWAY

TRB143 360° VIEW

The TRB143 industrial gateway was designed with an integrated M-Bus interface specifically for telemetry and utility-monitoring applications. It features cellular and wired connectivity, one Gigabit Ethernet port, and a pair of digital Inputs/Outputs, making it applicable to a variety of environment-monitoring scenarios.



M-BUS INTERFACE
Supporting up to 250 client devices

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

DURABILITY
Rugged aluminum housing

COMPACT
Simple integration

RMS | REMOTE MANAGEMENT SYSTEM

COMPATIBLE WITH TRB143

MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

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KEY FEATURES

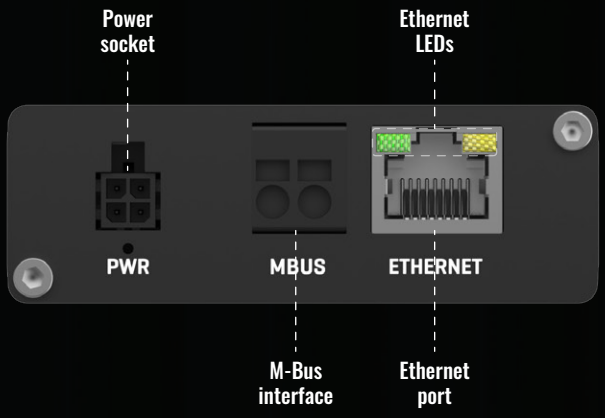
HARDWARE

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, DDR3
Flash storage	512 MB, SPI Flash
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 ETH 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 client devices and can power up to 6 client 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

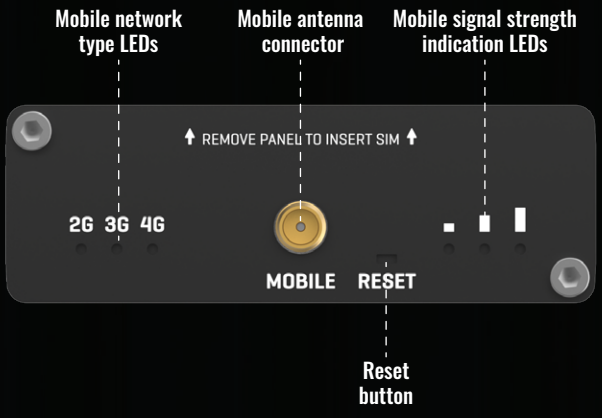
SOFTWARE

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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