

TRB141

INDUSTRIAL RUGGED GPIO LTE GATEWAY



TRB141 360 VIEW*

// This small industrial LTE Cat 1 gateway is equipped with a micro USB and various Input/Output options, including Digital, Relay, Analog, and Isolated.

// 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 over LTE Cat 1.

// It has a wide range of software features such as SMS control, VPN, IPsec, Firewall, and FOTA support.

// Perfect for application scenarios, where devices must be remotely managed using Inputs/Outputs.



CONNECTIVITY

4G LTE (Cat 1), 3G, 2G

COMPACTNESS

Small and rugged aluminum housing for easy installation

I/O

Wide range of Inputs/Outputs for remote monitoring and control

PROTOCOLS

Compatible with industrial DNP3 & Modbus communication protocols



RMS

REMOTE
MANAGEMENT
SYSTEM

COMPATIBLE WITH TRB141

MANAGEMENT

ALERTS

CONFIGURATION

ACCESS

FOTA

KEY FEATURES

HARDWARE

Mobile	4G/LTE (Cat 1), 3G, 2G
CPU	Qualcomm, ARM Cortex A7, 1.2 GHz
Storage	512 MBytes Flash (200 MBytes for userspace)
Memory	128 MBytes RAM (50 MBytes for userspace)
Powering option	4pin power socket, 9-30 VDC
SIM	1 x Internal SIM holder (2FF)
Antenna connectors	1 x SMA for mobile
Inputs/Outputs	On 4pin socket: 2 x Digital input/Digital open collector output (configurable) On 16pin socket: 1 x Isolated input, 1 x Single wire input, 1 x Analog input (with 4-20mA capability), 1 x Latching relay output, 1 x Non-latching relay output, 2 x Dry/Wet input (configurable)
Other	1 x Micro USB slave
Status LEDs	3 x Connection type, 5 x Signal strength, 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	136 g

SOFTWARE

Operating system	RutOS
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, SMTP, SSLv3, TLS 1.3, ARP, PPP, PPPoE, DHCP, Telnet
VPN and tunneling	OpenVPN, IPsec, GRE, PPTP, SSTP, Stunnel, DMVPN L2TP, ZeroTier, WireGuard
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
Services	DDNS, WEB filter, Traffic Logging

FRONT VIEW

BACK VIEW

