TRB145

INDUSTRIAL RUGGED LTE RS485 GATEWAY

TRB145 360 VIEW

// TRB145 is a mission-critical LTE Cat 1 gateway, equipped with RS485 interface.

// Compact design and easy installation make this gateway perfect for applications, where a sole gadget must be remotely controlled over the RS485 serial interface.

// Just like the rest of TRB products, TRB145 is engineered to be used in industrial applications. Therefore, it has a wide range of software features, such as SMS control, Firewall, Open VPN, IPsec, Teltonika Networks Remote Management System (RMS), and FOTA support.

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

COMPACTNESS
Small and rugged aluminum housing for easy installation

RS485
Equipped with RS485 for industrial serial communication

PROTOCOLS
Compatible with industrial DNP3 & Modbus communication protocols

RMS
REMOTE MANAGEMENT SYSTEM

COMPATIBLE WITH TCR100

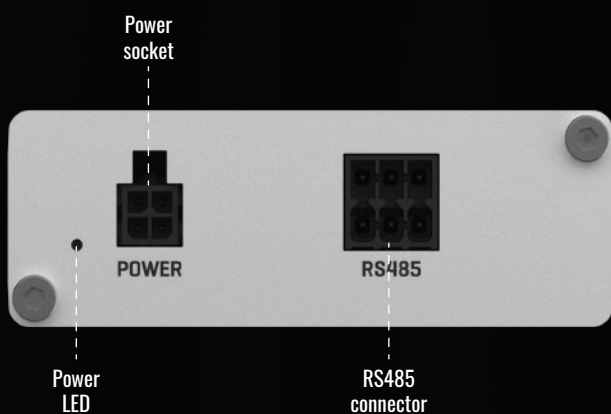MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

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)
Serial	1 x RS485
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	130 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
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
Modbus	TCP slave, TCP master, RTU master, RTU gateway, Modbus over MQTT
Serial	Console, Over IP, Modem, NTRIP, Modbus

FRONT VIEW

Power socket

POWER

Power LED

RS485

RS485 connector

BACK VIEW

Mobile antenna connector

REMOVE PANEL TO INSERT SIM

2G 3G 4G

USB

MOBILE

RESET

USB connector

Reset button