

# TRB142



TRB142 360° VIEW

## INDUSTRIAL RUGGED LTE RS232 GATEWAY

// TRB142 comes with a widely used RS232 interface for remote device management.

// It is equipped with mission-critical LTE Cat 1 capabilities and software based on OpenWRT, hence offering a high degree of customization.

// Just like the other TRB series products, it provides a wide range of software features such as SMS control, VPN, IPsec, Firewall, and FOTA support.

// This gateway is durable, offers a wide range of power supply voltages, and is compatible with Teltonika Networks Remote Management System (RMS).



### CONNECTIVITY

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

### COMPACTNESS

Small and rugged aluminum housing for easy installation

### RS232

Equipped with RS232 for industrial serial communication

### PROTOCOLS

Compatible with industrial DNP3 & Modbus communication protocols



## RMS

REMOTE  
MANAGEMENT  
SYSTEM

# COMPATIBLE WITH TRB142

MANAGEMENT

ALERTS

CONFIGURATION

ACCESS

FOTA

# KEY FEATURES

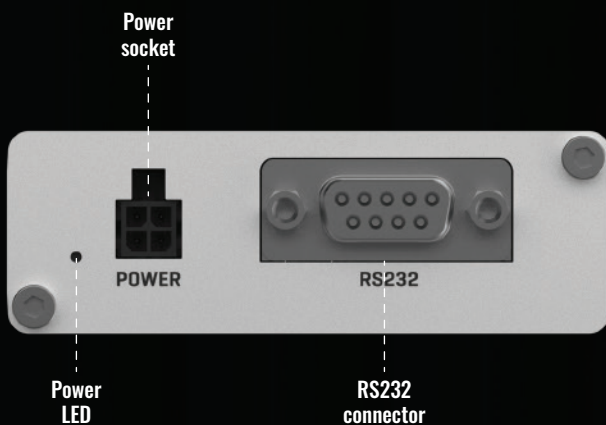
## HARDWARE

|                        |   |
|------------------------|---|
| Mobile                 | 4G/LTE (Cat 1), 3G, 2G  |
| CPU                    | Qualcomm, ARM Cortex A7, 1.2 GHz  |
| Storage                | 512 MB Flash (200 MB for userspace)   |
| Memory                 | 128 MB RAM (50 MB for userspace)  |
| Powering option        | 4-pin power socket, 9-30 VDC  |
| SIM                    | 1 x Internal SIM holder (2FF)   |
| Antenna connectors     | 1 x SMA for mobile  |
| Inputs/Outputs         | On 4-pin socket: 2 x Digital input/Digital open collector output (configurable) |
| Serial                 | 1 x RS232   |
| Other                  | 1 x Virtual network interface via micro USB                                     |
| 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                 | 135 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 client, TCP server, RTU server, RTU gateway, Modbus over MQTT   |
| Serial                    | Console, Over IP, Modem, NTRIP, Modbus  |

### FRONT VIEW



### BACK VIEW

