

TRB145

RS485 GSM GATEWAY BOARD

Industrial GSM/GPRS Gateway Board TRB145 is equipped with an RS485 Interface, Digital Inputs/Outputs and a microUSB port. TRB145 compact design makes this Gateway perfect for an application where a sole gadget must be remotely controlled over RS485 interface. TRB145 is engineered to be used in Industrial applications, therefore, it has a wide range of software features such as SMS control, Firewall, OpenVPN, IPsec, RMS and FOTA support.



RS485 - industrial differential serial communication



GSM/GPRS for M2M IoT connectivity



Compact size, easy integration



Wide range of power supply voltages



Teltonika Remote Management System compatible



OpenLinux based OS allows high software customisation

EFFICIENT

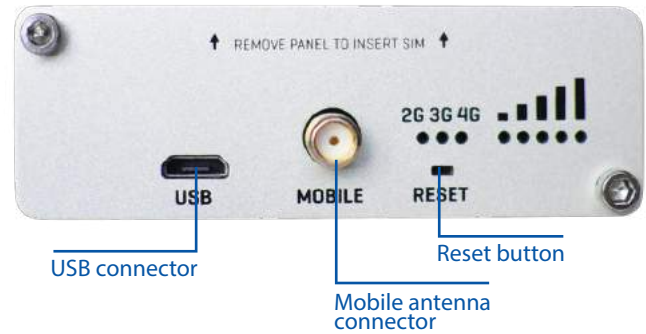
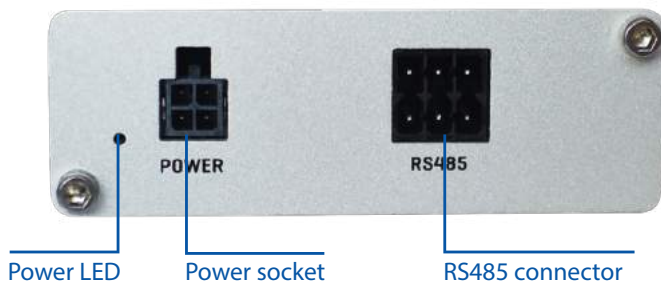
- Easy Integration
- Compact size
- Low Power consumption

ADVANCED

- LTE Cat 1 for M2M via RS48
- High Performance
- Open platform with SDK

SECURE

- OpenVPN and IPsec
- Embedded Firewall
- Encrypted management with Remote Management System



Hardware

| | |
|-------------------------|---|
| Mobile | LTE (Cat1)/3G/2G |
| SIM slot | Mini SIM (2FF) |
| Antenna connector | 1 x SMA for GSM |
| RS485 | Full Duplex (4 wires) and Half Duplex (2 wires), baud rate 300 - 115200 |
| Input/Output | 2 x Digital/Analog Inputs/Outputs (configurable) |
| CPU | ARM Cortex-A7 1.2 GHz CPU |
| RAM | 128 MB (50 MB available for userspace) |
| Flash | 512 MB (70 MB available for userspace) |
| Input voltage range | 9 - 30 VDC |
| Power connector | 4 pin industrial DC power socket |
| Configuration interface | Virtual NIC via Micro-USB connector |
| LED Indicators | Power, signal, network and data status LEDs |
| Operating temperature | -40° C to 75° C |
| Dimensions | 60 mm x 70 mm x 18 mm |
| Weight | 149.8 g |

Software

| | |
|------------------------|--|
| Operating system | Linux OS with Yocto SDK (offering high software customisation) |
| Network | NAT, Firewall (port forward, traffic rules, custom rules), DDNS (>25 service providers supported) |
| RS485 related services | Modbus, Serial over IP, NTRIP |
| Remote management | RMS Support, FOTA support, SSH, CLI, SMS Utilities (status/configuration) |
| Status watchdogs | Ping reboot, periodic reboot |
| Additional features | Internet connectivity over USB virtual network interface |

