

# 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



Easy to use, secure and feature rich OpenWrt based Operating System

### EFFICIENT

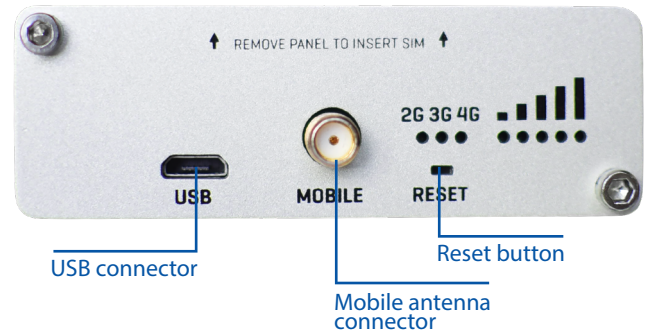
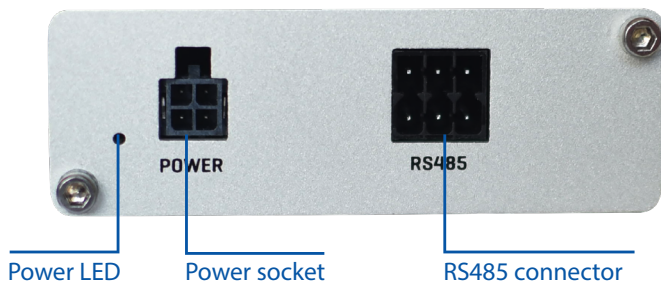
- Easy Integration
- Compact size
- Low Power consumption

### 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 (200 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	RutOS (OpenLinux based Linux OS)
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

