TRB142

RS232 LTE GATEWAY BOARD

Industrial LTE Cat 1 Gateway Board TRB142 is equipped with an RS232 Interface, Digital Inputs/ Outputs and a microUSB port. TRB142 compact design makes this Gateway perfect for an application where a sole gadget must be remotely controlled over the RS232 Interface. TRB142 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.

RS232

RS232 is an Industrial standard for serial communication

LTE Cat 1

LTE Cat 1 for M2M/IoT communications

Compact size, easy integration



9-30V

Wide range of power supply voltages

RMS

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 RS232

High Performance

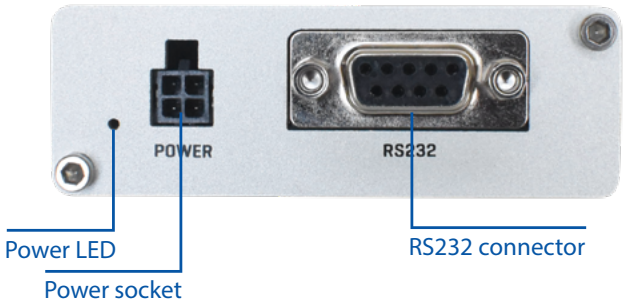
Open platform with SDK

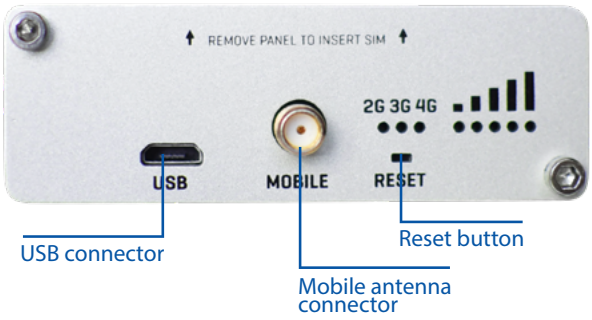
SECURE

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 LTE
RS232	DB9 socket, 5 pin configuration with flow control, baud rate 300 - 115200
Input/Output	2 x Digital/Analog Inputs/Outputs (configurable)
CPU	ARM Cortex-A7 1.2 GHz CPU
RAM	128 MBytes (50 MBytes available for userspace)
Flash	512 MBytes (70 MBytes 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	157.5 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)
RS232 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

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