TRB141

GPIO LTE GATEWAY BOARD

Industrial LTE Cat 1 Gateway Board TRB141 is equipped with multiple Inputs/Outputs and Micro-USB port. TRB141 compact design makes this Gateway perfect for an application where a sole gadget must be remotely managed using I/O's. TRB141 is engineered to be used in Industrial applications therefore it has a wide range of software features such as SMS control, Firewall, RMS and FOTA support.



Multiple Inputs/Outputs for remote monitoring and control

LTE Cat 1 for M2M/IoT communications

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 Cat1 for IoT GPIO connectivity

High performance

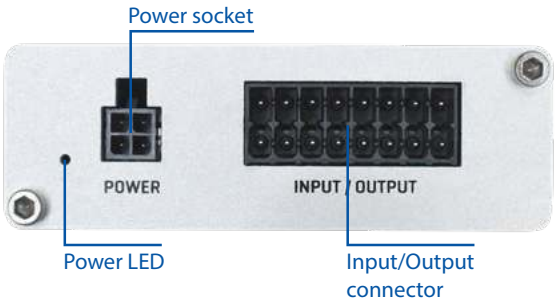
Open platform with SDK

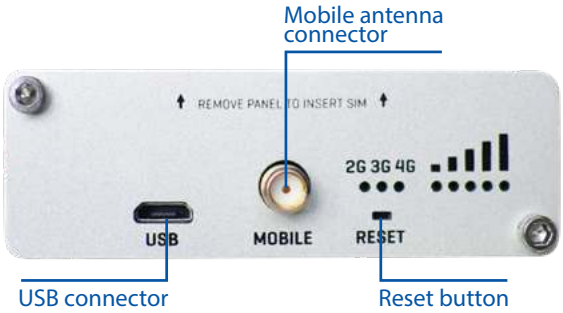
SECURE

OpenVPN and IPsec

Advanced Firewall

Remote management system compatible





Hardware

Mobile	LTE(Cat1)/3G/2G
SIM slot	Mini SIM (2FF)
Antenna connector	1 x SMA for LTE
Inputs/Outputs	2 x Digital inputs, 2 x Relay outputs, 1 x Analog input, 1 x Isolated input, 2 x Digital Inputs/Outputs on power connector
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

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)
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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