

TRB142

Industrial LTE Cat 1 Gateway Board TRB142 is equipped with RS232 Interface, Digital Inputs/Outputs and micro-USB 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, Open VPN, IPsec, RMS and FOTA support.

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 Input/Output (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

Software

Operating System	Linux OS with Yocto SDK (offering high software customisation)
Network	NAT, Static/Dynamic routing, Firewall (port forward, traffic rules, custom rules), OpenVPN, 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

Mechanical & Environmental

Operating temperature	-40° C to 75° C
Storage temperature	-45° C to 80° C
Operating humidity	10% to 90% non-condensing
Storage humidity	5% to 95% non-condensing
Dimensions	60 mm x 70 mm x 18 mm
Weight	37,5 g

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