



TRB145

Teltonika TRB145 Industrial RS485 to 4G LTE IoT Gateway

Connectors

SMA

Bands

800/900MHz , 1700/2100MHz

Stock Level: **Product in stock**

\$185.00 + GST

Description

The Teltonika Industrial LTE Cat 1 Gateway Board TRB145 is equipped with RS485 Interface, Digital Inputs/Outputs and micro-USB port. TRB145 compact design makes this Gateway perfect for an application where a sole gadget must be remotely controlled over RS485 interface. The TRB145 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.

Lightweight and powerful RS485 to 4G LTE Cat1 IoT gateway. High performance paired with Linux based firmware enables quick time-to-market in the most demanding applications.

Features

- RS485 for industrial differential serial communication
- Wide range of power supply voltages 9 – 30V
- LTE Cat 1 for M2M/IoT communications
- Teltonika Remote Management System compatible
- Compact size, easy integration
- OpenLinux based OS allows high software customisation

Specifications

Details

Product code	TRB145101000
Mobile	LTE(Cat1)/3G/2G
SIM slot	Mini SIM (2FF)
Antenna connector	1 x SMA for LTE
RS485	Full Duplex (4 wires) and Half Duplex (2 wires), baud rate 300-115200
Input/Output	2 x Digital Input/Output (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
Optional power source	Possibility to power device over 6 pin RS485 connector's spare terminals.
Configuration interface	Virtual NIC via Micro-USB connector
LED Indicators	Power, signal, network and data status LEDs
Operating System	Linux OS with Yocto SDK (offering high software

Details

	customisation)
Network	NAT, Static/Dynamic routing, Firewall (port forward, traffic rules, custom rules), OpenVPN, 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
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	29.8 g

Resources

- [Manufacturer Website](#)
- [Firmware & Downloads](#)
- [Community Forum](#)
- [Wiki Knowledge Base](#)
- [Case Studies](#)
- [IoT Academy](#)

Details

Power Supply	9V 1A AC/DC Plug Pack with 4pin, 3mm pitch connector
Antenna	1 x LTE antenna (magnetic mount, SMA male, 3 m cable)
Accessories	Micro-USB cable (0.8 m), RS485 connector
Manual	QSG (Quick Start Guide)