



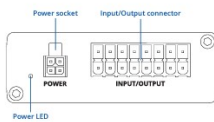
Teltonika | TRB141 | Industrial I/O to 4G LTE Cat 1 IoT Gateway

Product Images

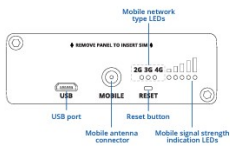


HARDWARE

FRONT VIEW



BACK VIEW



POWER SOCKET PINOUT



INPUT/OUTPUT CONNECTOR PINOUT



D1 and D2 are DRVWET configurable inputs. WEI: 0-1.9 V is detected as logical "0", 1.5-3.3 V is detected as logical "1". DRV: Logical "0" is detected when input is shorted to GND, otherwise input is detected as logical "1".

NC: "C" and "N" are respectively Normally Closed Contacts and Normally Open contacts of internal Relay 1 and 2. Maximum Relay 1 (Non-latching) ratings: 0.5 A at 60 VDC/70 VAC, 1 A at 30 VDC/VAC. Maximum Relay 2 (Latching) ratings: 0.8 A at 70 VDC, 0.9 A at 70 VAC, 2 A at 30 VDC/VAC.

D3 and D4 are DRVWET configurable inputs. WEI: 0-1.9 V is detected as logical "0", 1.5-3.3 V is detected as logical "1". DRV: Logical "0" is detected when input is shorted to GND, otherwise input is detected as logical "1".

A: A 4-20 mA input. Analog voltage range 0-20 V. Input can be configured for 4-20 mA sensor protocol as current measurement of 0-30 mA.

I: I/O pins, programmable Input/Output pins (Open Collector output, max 30 V or Digital input where 0-7.3 V is detected as logical "0", 7.3-30 V is detected as logical "1").

↓ = power output connected directly to gateway's power supply input pin. This output can be used for powering external 4-20 mA current sensor.

3.0 is a 3.0V power output which can be used to power 1W sensors when needed.

1W: 1Watt precision heatoutput.

Power pin: + = 10 VDC positive power input.

Ground pin: negative/ground connection from power supply.

↓ = GND contact.

Teltonika | TRB141 | Industrial I/O to 4G LTE CAT1 IoT Gateway

Industrial Rugged GPIO LTE Gateway

TRB141 is a small industrial LTE CAT1 gateway equipped with diverse inputs/outputs and a Micro USB port. This gateway comes with secure, highly customizable RutOS and works perfectly for remote management of devices and applications using I/O.

FEATURES

- Connectivity: 4G/LTE (CAT1), 3G, 2G
- Compactness: Small size, easy installation
- Protocols: Compatible with industrial DNP3 & Modbus communication protocols
- RMS: Compatible with Teltonika Networks Remote Management System

SPECIFICATIONS

- 2 x Configurable Digital I/O
- 16 Pin I/O Connector Block
- Micro USB
- 9W PSU included

CONTENTS

- TRB141
- 9W PSU included
- 1 x LTE antenna (magnetic mount, SMA male, 3 m cable)
- Micro-USB cable (0.8 m)
- 1 x hex key
- I/O connector
- QSG (Quick Start Guide)
- RMS Flyer

COMPATIBLE ACCESSORIES (Not included)

- Power Supply Unit (Alternative):
 - [TT.PR2FK20M](#) | Power Cable with 4-Way Screw Terminal
 - [TT.PR2PD01B](#) | 4-Pin to Barrel Socket Adapter
 - [TT.PR2AM20M](#) | Automotive 12v Power Supply Unit
 - [TT.PR5MEC21](#) | 4-Pin Power Adapter with I/O Access
 - [TT.PR3PDNP0](#) | DIN Rail Power Supply
 - [TT.PR3PUPS3](#) | Universal Power Supply 9W
 - [TT.PR4MK04K](#) | 4-Pin Plug with Contact Terminals
 - [TT.BAT120](#) | Two 4 Pin DC Ports Power Supply
- Mounting Options:
 - [TT.PR5MEC00](#) | DIN Rail Kit
 - [TT.PR5MEC11](#) | Compact DIN Rail Kit
 - [TT.PR5MEC12](#) | Surface Mounting Kit

WARRANTY

2-years limited warranty

