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# TELTONIKA TRB142 Industrial Rugged LTE RS232 Gateway User Guide

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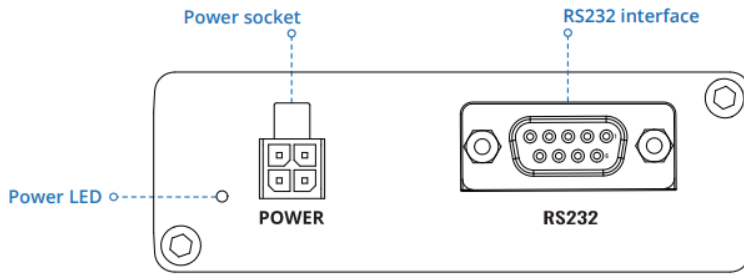


## TELTONIKA TRB142 Industrial Rugged LTE RS232 Gateway

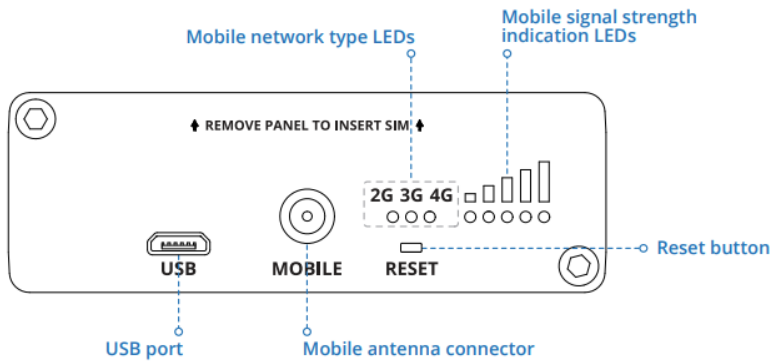


# OVERVIEW

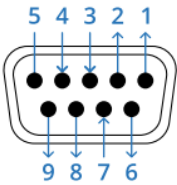
## FRONT VIEW



## BACK VIEW

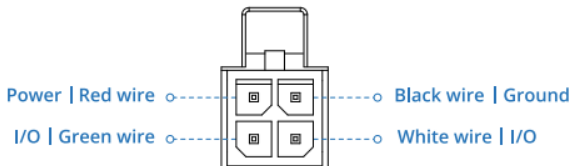


## DB9 CONNECTOR PINOUT

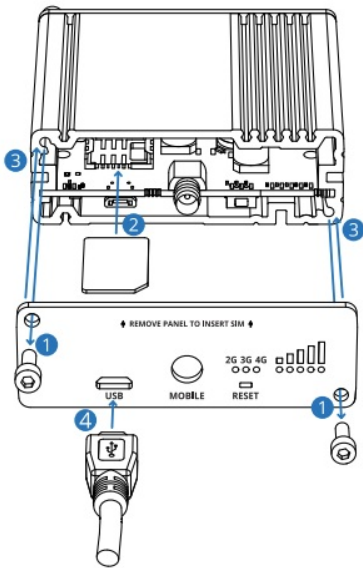


- 1. Not used.
- 2. Received Data (RX) – output.
- 3. Transmitted data (TX) – input.
- 4. Not used.
- 5. Ground (GND).
- 6. Not used.
- 7. Request data to send (RTS) – input.
- 8. Clear data to send (CTS) – output.
- 9. Not used.

## POWER SOCKET PINOUT



## HARDWARE INSTALLATION



1. Unscrew two back panel hex bolts and remove the back panel.
2. Insert your SIM card into the SIM socket.
3. Attach the panel and tighten the hex bolts.
4. Attach the mobile antenna (max torque 0.4 N·m / 3.5 lbf·in) and connect the USB cable.

## DEVICE CONFIGURATION

1. Power on the device and connect the USB cable to your computer.
2. Allow the gateway to boot up. This might take up to 30 seconds.
3. Your computer's OS should detect the USB device and install the driver.
4. To enter the gateway's Web interface (WebUI), type `http://192.168.2.1` into the URL field of your Internet browser.
5. Use login information shown in image A when prompted for authentication.
6. After logging in pay attention to the Signal Strength indication displayed in the Mobile widget (image B). To maximize the cellular performance try adjusting the antennas or changing the location of your device to achieve the best signal conditions.

A.

B.

## TECHNICAL INFORMATION

Radio specifications	
RF technologies	2G, 3G, 4G
Max RF power	33 dBm@GSM, 24 dBm@WCDMA, 23 dBm@LTE
Bundled accessories specifications*	
Power adapter	Input: 0.4 A@100-240 VAC, Output: 9 VDC, 0.5 A, 4-pin plug
Mobile antenna	699~868 / 1850~2690 MHz, 50 Ω, VSWR<3, gain** 1 dBi, omnidirectional, SMA male connector

- Order code dependent.
- Higher gain antenna can be connected to compensate for cable attenuation when a cable is used. The user is responsible for compliance with the legal regulations.

## SAFETY INFORMATION

TRB142 gateway must be used in compliance with any and all applicable national and international laws and with any special restrictions regulating the utilization of the communication module in prescribed applications and environments. Hereby, TELTONIKA NETWORKS declares that this TRB142 is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.


### Instruction Manual:




Connect the power adapter to turn on the device. Open `192.168.2.1` in your web browser to configure it. More information on <https://wiki.teltonika->

[networks.com/](https://www.teltonika-networks.com/)

The full text of the EU declaration of conformity is available at the following Internet address: [https://wiki.teltonika-networks.com/view/TRB142\\_CE/RED](https://wiki.teltonika-networks.com/view/TRB142_CE/RED)

## Documents / Resources

 **TRB142** [TELTONIKA TRB142 Industrial Rugged LTE RS232 Gateway](#) [pdf] User Guide  
TRB142, Industrial Rugged LTE RS232 Gateway, Rugged LTE RS232 Gateway, LTE RS232 Gateway, TRB142, RS232 Gateway

## Related Manuals / Resources



### [TELTONIKA TRB142 4G LTE RS232 Gateway User Guide](#)

TRM240 Quick Start Guide v1.1 Wiki knowledge base <https://wiki.teltonika-networks.com/>  
<https://wiki.teltonika-networks.com/> FRONT VIEW BACK...

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Quick Start Guide v2.5 Wiki knowledge base <https://wiki.teltonika-networks.com/> FRONT VIEW Power socket RS232 interface Power LED BACK...



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TRB145 Quick Start Guide v2.5 FRONT VIEW FRONT VIEW DB9 CONNECTOR PINOUT 1. Driver negative signal (D-)....

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