



# TRB141

Quick Start Guide v1.3

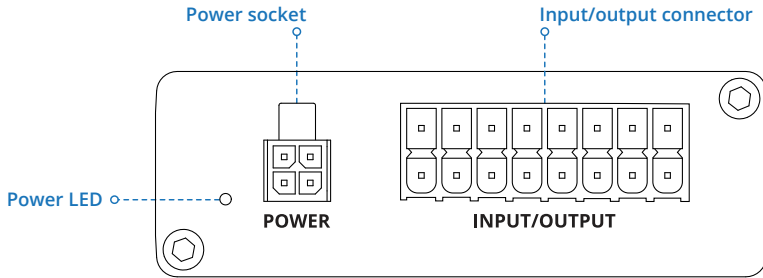


Wiki knowledge base

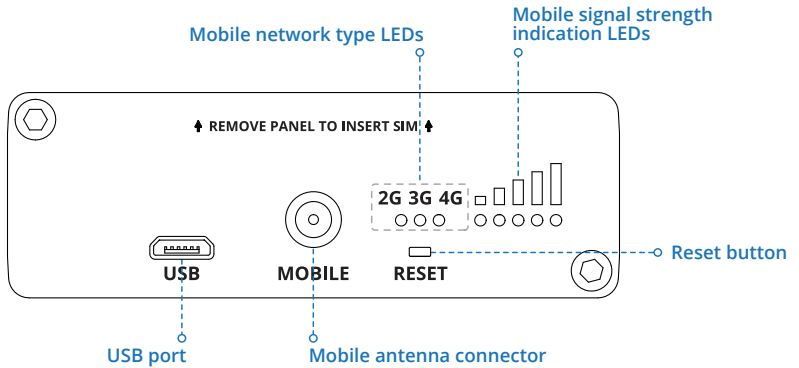
<https://wiki.teltonika-networks.com/>



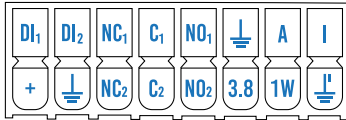
## FRONT VIEW



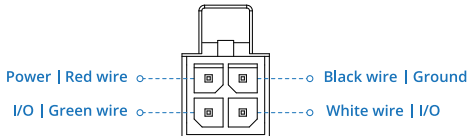
## BACK VIEW



## INPUT/OUTPUT CONNECTOR PINOUT

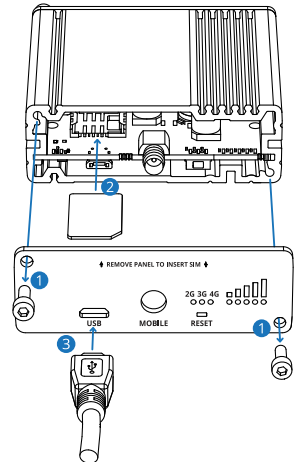


## POWER SOCKET PINOUT



## 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).
5. Connect the USB cable.



**DI1** and **DI2** are DRY/WET configurable inputs.

**WET:** 0-1.9 V is detected as logical "0", 1.9-3.8 V is detected as logical "1".  
**DRY:** Logical "0" is detected when input is shorted to GND, otherwise input is detected as logical "1".

**NC\***, **C\*** and **NO\*** are respectively Normally Closed, Common and Normally Open contacts of internal Relays 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.

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

**I** and **↓** are isolated input contacts. 0-7.3 V is detected as logical "0", 7.3-71 V is detected as logical "1".

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

**3.8** is 3.8V power output which can be used to power 1-Wire sensors when needed.

**1W** 1-Wire protocol input/output.

**↓** is GND contact.

**Power** pin: +9 ... +30 VDC positive power input.

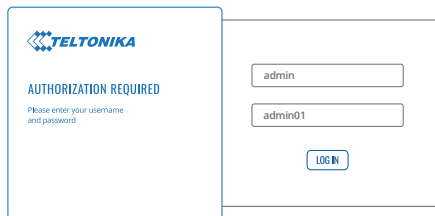
**Ground** pin: negative/ground connection from power supply.

**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").

## 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	698-960 / 1710-2690 MHz, 50 Ω, VSWR<2, gain** 2 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 the compliance with the legal regulations.

## SAFETY INFORMATION

TRB141 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.

[EN] English	Hereby, TELTONIKA declares that this TRB141 is in compliance with the essential requirements and other relevant provisions of Directive RED.
[BG] Bulgarian	С настоящето, TELTONIKA декларира, че TRB141 е в съответствие със съществените изисквания и другите приложими разпоредби на Директива RED.
[CZ] Czech	TELTONIKA tímto prohlašuje, že TRB141 splňuje základní požadavky a všechna příslušná ustanovení Směrnice RED.
[DE] German	Hiermit erklärt TELTONIKA dass sich das Gerät TRB141 in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie RED befindet.
[DK] Danish	Undertegnede TELTONIKA erklærer herved, at følgende udstyr TRB141 overholder de væsentlige krav og øvrige relevante krav i direktiv RED.
[EE] Estonian	Käesolevaga kinnitab TELTONIKA seadme TRB141 vastavust direktiivi RED põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
[ES] Spanish	Por la presente, TELTONIKA declara que este TRB141 cumple con los requisitos esenciales y otras exigencias relevantes de la Directiva RED.
[FI] Finnish	TELTONIKA vakuuttaa täten että TRB141 tyyppinen laite on direktiivin RED oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
[FR] French	TELTONIKA déclare que cette TRB141 est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive RED.
[GR] Greek	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Ο ΚΑΤΑΣΚΕΥΑΣΤΗΣ ΤΕΛΤΟΝΙΚΑ ΔΗΛΩΝΕΙ ΟΤΙ ΤΟ TRB141 ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ RED.
[HU] Hungarian	A TELTONIKA ezzennel kijelenti, hogy a TRB141 típusú berendezés teljesíti az alapvető követelményeket és más RED irányelvben meghatározott vonatkozó rendelkezéseket.
[IT] Italian	Con la presente TELTONIKA dichiara che questo TRB141 è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva RED.
[LT] Lithuanian	Šiuo dokumentu UAB TELTONIKA deklaruoja, kad šis TRB141 atitinka esminius reikalavimus ir kitas RED Direktyvos nuostatas.
[LV] Latvian	Ar šo TELTONIKA deklarē, ka TRB141 atbilst Direktīvas RED būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
[NL] Dutch	Hierbij verklaart TELTONIKA dat het toestel I TRB141 in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn RED.
[NO] Norwegian	TELTONIKA Erklærer herved at TRB141 er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv RED.
[PL] Polish	Niniejszym TELTONIKA deklaruje że TRB141 jest zgodny z zasadniczymi wymaganiami i innymi właściwymi postanowieniami Dyrektywy RED.
[PT] Portuguese	Eu, TELTONIKA declaro que o TRB141 cumpre os requisitos essenciais e outras provisões relevantes da Directiva RED.
[RO] Romanian	Prin prezenta, TELTONIKA declară că aparatul TRB141 este în conformitate cu cerințele esențiale și cu alte prevederi pertinente ale Directivei RED.
[SE] Swedish	Härmed intygar TELTONIKA att denna TRB141 är i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv RED.
[SI] Slovenian	TELTONIKA izjavlja, da je ta TRB141 v skladu z bistvenimi zahtevami in drugimi relevantnimi določili direktive RED.

The full text of the EU declaration of conformity is available at the following internet address: [https://wiki.teltonika-networks.com/view/TRB141\\_CE/RED](https://wiki.teltonika-networks.com/view/TRB141_CE/RED)

- [EN]** 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/>
- [BG]** Инструкции: Свържете адаптера на захранване, за да включите устройството. Отворете 192.168.2.1 в уеб браузър, за да настроите продукта. Повече информация в <https://wiki.teltonika-networks.com/>
- [CZ]** Návod k použití: Připojte napájecí adaptér k zapnutí přístroje. Otevřete 192.168.2.1 ve webovém prohlížeči pro konfiguraci produktu. Více informací najdete v <https://wiki.teltonika-networks.com/>
- [DE]** Bedienungsanleitung: Verbinden Sie das Netzteil, um das Gerät einzuschalten. Öffnen Sie 192.168.2.1 in einem Web Browser, um das Produkt zu konfigurieren. Weitere Informationen im <https://wiki.teltonika-networks.com/>
- [DK]** Instruktionsbog: Tilslut strømadapteren for at tænde for enheden. Åbn 192.168.2.1 i en webbrowser til at konfigurere produktet. Mere information i <https://wiki.teltonika-networks.com/>
- [EE]** Kasutusjuhend: Ühendage toiteadapter seadme sisselülitamiseks. Avatud 192.168.2.1 in veebilehitseja seadistada toodet. Rohkem teavet <https://wiki.teltonika-networks.com/>
- [ES]** Manual de instrucciones: Conecte el adaptador de alimentación para encender la unidad. Abra 192.168.2.1 en un navegador web para configurar el producto. Más información en <https://wiki.teltonika-networks.com/>
- [FI]** Käyttöohje: Kytke virtalähde päälle laitteen. Avaa 192.168.2.1 in selaimen määräättää tuotteen. Lisää tietoa <https://wiki.teltonika-networks.com/>
- [FR]** Mode d'emploi: Connectez l'adaptateur d'alimentation pour allumer l'appareil. Ouvrez 192.168.2.1 dans un navigateur Web pour configurer le produit. Plus d'informations dans <https://wiki.teltonika-networks.com/>
- [GR]** εγχειρίδιο οδηγών: Συνδέστε τον προσαρμογέα τροφοδοσίας για να ενεργοποιήσετε τη μονάδα. Ανοίξτε 192.168.2.1 σε ένα πρόγραμμα περιήγησης στο Web για να διαμορφώσετε το προϊόν. Περισσότερες πληροφορίες στο <https://wiki.teltonika-networks.com/>
- [HU]** Használati utasítás: Csatlakoztassa a hálózati adaptert a készülék bekapcsolásához. Megnyitása 192.168.2.1 egy webböngészőben beállítani a terméket. Több információ <https://wiki.teltonika-networks.com/>
- [IT]** Manuale di istruzioni: Collegare l'adattatore di alimentazione per accendere l'unità. Aprire 192.168.2.1 in un browser Web per configurare il prodotto. Maggiori informazioni in <https://wiki.teltonika-networks.com/>
- [LT]** Naudojimosi instrukcija: Prijunkite maitinimo adapterį, įjunkite įrenginį. Interneto naršyklėje atidarykite adresą 192.168.2.1 - galite konfigūruoti gaminį. Daugiau informacijos rasite <https://wiki.teltonika-networks.com/>
- [LV]** Lietošanas instrukcija: Pievienojiet Strāvas adapteri, lai ieslēgtu ierīci. Atvērt 192.168.2.1 ar interneta pārlūku, lai konfigurētu produktu. Plašāka informācija <https://wiki.teltonika-networks.com/>
- [NL]** Handleiding: Sluit voedingsadapter aan op het apparaat in te schakelen. Open 192.168.2.1 in een webbrowser om het product te configureren. Meer informatie in <https://wiki.teltonika-networks.com/>
- [NO]** Bruksanvisningen: Koble strømadapteren for å slå på enheten. Åpne 192.168.2.1 i en nettleser for å konfigurere produktet. Mer informasjon på <https://wiki.teltonika-networks.com/>
- [PL]** Instrukcja obsługi: Podłącz adapter zasilania, aby włączyć urządzenie. Otwórz 192.168.2.1 w przeglądarce internetowej, aby skonfigurować urządzenie. Więcej informacji w <https://wiki.teltonika-networks.com/>
- [PT]** Manual de instruções: Conecte o adaptador de alimentação para ligar o aparelho. Abra 192.168.2.1 em um navegador da web para configurar o produto. Mais informações em <https://wiki.teltonika-networks.com/>
- [RO]** Instrucțiuni de utilizare: Conectați adaptorul de alimentare pentru a porni aparatul. Deschide 192.168.2.1 întrun browser web pentru a configura produsul. Mai multe informații în <https://wiki.teltonika-networks.com/>
- [SE]** Instruktionsmanual: Anslut nättadap tern för att slå på enheten. Öppna 192.168.2.1 i en webbläsare för att konfigurera produkten. Mer information på <https://wiki.teltonika-networks.com/>
- [SI]** Navodila: Priključite napajalnik za vklop naprave. Odprite 192.168.2.1 v spletnem brskalniku nastaviti izdelek. Več informacij v <https://wiki.teltonika-networks.com/>
- [SK]** NávodZd na použitie: Pripojte napájací adaptér k zapnutiu prístroja. Otvorte 192.168.2.1 vo webovom prehliadači pre konfiguráciu produktu. Viac informácií nájdete v <https://wiki.teltonika-networks.com/>

For more information visit [www.teltonika-networks.com](http://www.teltonika-networks.com)



This sign means that all used electronic and electric equipment should not be mixed with general household waste.



This sign means that product meets the requirements of the applicable EU directives.