

# TRB141

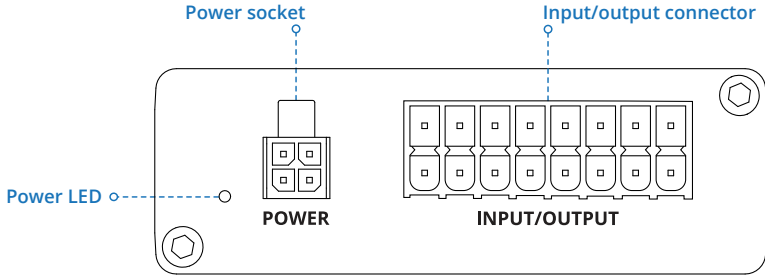
Quick Start Guide v2.4



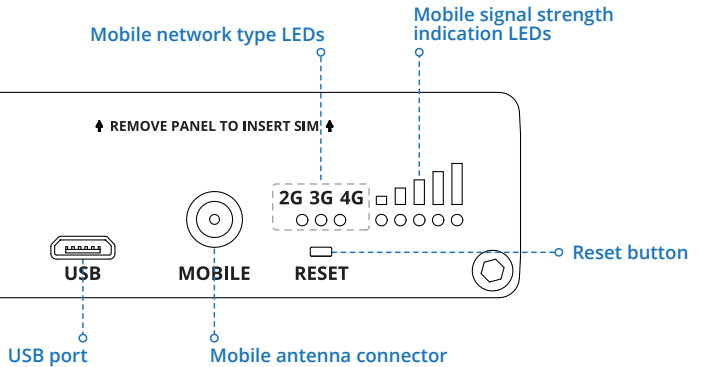
Wiki knowledge base  
<https://wiki.teltonika-networks.com/>



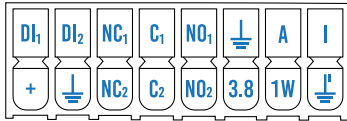
## FRONT VIEW



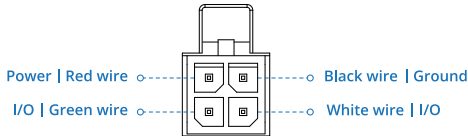
## BACK VIEW



## INPUT/OUTPUT CONNECTOR PINOUT

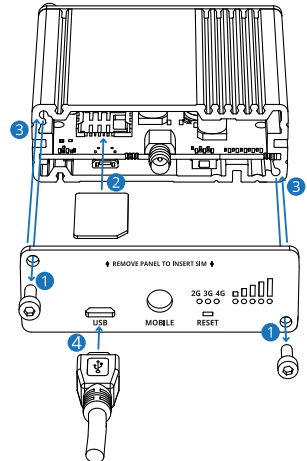


## POWER SOCKET PINOUT



## 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) and 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  $\downarrow$  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.

$\downarrow$  is GND contact.

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

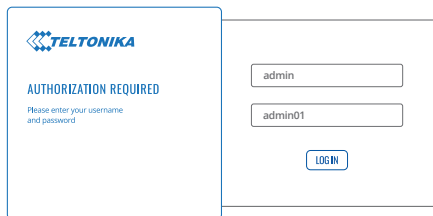
**Ground** pin: negative/ground connection from power supply.


**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.



  
**AUTHORIZATION REQUIRED**  
Please enter your username and password

admin

admin01

LOGIN

B.



<b>MOBILE</b>	-50 dBm 
Data connection	Connected
State	Registered (home); OPERATOR; 4G (LTE)
SIM card slot in use	Ready
Bytes received/sent	348.7 KB / 223.5 KB

## 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 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.

[BG] Bulgarian	С настоящето, TELTONIKA NETWORKS декларира, че TRB141 е в съответствие със съществените изисквания и другите приложими разпоредби на Директива 2014/53/EU.
[HR] Croatian	Ovim TELTONIKA NETWORKS izjavljuje da je ovaj TRB141 u skladu s bitnim zahtjevima i ostalim relevantnim odredbama Direktive 2014/53/EU.
[CZ] Czech	TELTONIKA NETWORKS tímto prohlašuje, že TRB141 splňuje základní požadavky a všechna příslušná ustanovení Směrnice 2014/53/EU.
[DK] Danish	Undertegnede TELTONIKA NETWORKS erklærer herved, at følgende udstyr TRB141 overholder de væsentlige krav og øvrige relevante krav i direktiv 2014/53/EU.
[NL] Dutch	Hierbij verklaart TELTONIKA NETWORKS dat het toestel TRB141 in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 2014/53/EU.
[EN] English	Hereby, TELTONIKA NETWORKS declares that this TRB141 is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.
[EE] Estonian	Käesolevaga kinnitab TELTONIKA NETWORKS seadme TRB141 vastavust direktiivi 2014/53/EU põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
[FI] Finnish	TELTONIKA NETWORKS vakuuttaa täten että TRB141 tyyppinen laite on direktiivin 2014/53/EU oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
[FR] French	TELTONIKA NETWORKS déclare que cette TRB141 est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 2014/53/EU.
[DE] German	Spoločnosť TELTONIKA NETWORKS týmto vyhlasuje, že smerovač TRB141 je v súlade so základnými požiadavkami a ďalšími príslušnými ustanoveniami smernice 2014/53/EU.
[GR] Greek	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Ο ΚΑΤΑΣΚΕΥΑΣΤΗΣ ΤΕΛΤΟΝΙΚΑ ΝΕΤΟΥΡΚΣ ΔΗΛΩΝΕΙ ΟΤΙ ΤΗ Β141 ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 2014/53/EU.
[HU] Hungarian	A TELTONIKA NETWORKS ezennel kijelenti, hogy a TRB141 típusú berendezés teljesíti az alappvető követelményeket és más 2014/53/EU irányelvben meghatározott vonatkozó rendelkezéseket.
[IE] Irish	Leis seo, dearbhaíonn TELTONIKA NETWORKS go gcomhlíonann an TRB141 seo bunriachtanais agus forálacha ábhartha eile Theoiric 2014/53/EU.
[IT] Italian	Con la presente, TELTONIKA NETWORKS dichiara che questo TRB141 è conforme ai requisiti essenziali e ad altre disposizioni pertinenti della Direttiva 2014/53/EU.
[LV] Latvian	Ar šo TELTONIKA NETWORKS deklarē, ka TRB141 atbilst Direktīvas 2014/53/EU būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
[LT] Lithuanian	Šiuo dokumentu UAB TELTONIKA NETWORKS deklaruoja, kad šis TRB141 atitinka esminius reikalavimus ir kitas 2014/53/EU Direktyvos nuostatas.
[MT] Maltese	Hawn hekk, TELTONIKA NETWORKS tidjikkara li dan l-TRB141 huwa konformi mar-rekwiżiti essenzjali u dispozizzjonijiet rilevanti oħra ta' Direttiva 2014/53/EU.
[NO] Norwegian	TELTONIKA NETWORKS Erklærer herved at TRB141 er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 2014/53/EU.
[PL] Polish	Niniejszym TELTONIKA NETWORKS deklaruje że TRB141 jest zgodny z zasadniczymi wymaganiami i innymi właściwymi postanowieniami Dyrektywy 2014/53/EU.
[PT] Portuguese	Eu, TELTONIKA NETWORKS declaro que o TRB141 cumpre os requisitos essenciais e outras provisões relevantes da Directiva 2014/53/EU.
[RO] Romanian	Prin prezenta, TELTONIKA NETWORKS declară că aparatul TRB141 este în conformitate cu cerințele esențiale și cu alte prevederi pertinente ale Directivei 2014/53/EU.
[SK] Slovak	Spoločnosť TELTONIKA NETWORKS týmto vyhlasuje, že smerovač TRB141 je v súlade so základnými požiadavkami a ďalšími príslušnými ustanoveniami smernice 2014/53/EU.
[SI] Slovenian	TELTONIKA NETWORKS izjavlja, da je ta TRB141 v skladu z bistvenimi zahtevami in drugimi relevantnimi določili direktive 2014/53/EU.
[ES] Spanish	Por la presente, TELTONIKA NETWORKS declara que este TRB141 cumple con los requisitos esenciales y otras exigencias relevantes de la Directiva 2014/53/EU.
[SE] Swedish	Härmed intygar TELTONIKA NETWORKS att denna TRB141 är i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 2014/53/EU.

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)

- [BG]** Инструкция: 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/>
- [HR]** Upute za uporabu: Priključite napajanje. Otvorite 192.168.2.1 u svom internet pregledniku kako biste konfigurirali uređaj. Više informacija na <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/>
- [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/>
- [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/>
- [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/>
- [ET]** Kasutusjuhend: Ühendage toiteadapteri seadme sisselülitamiseks. Avatud 192.168.2.1 in veebilehitseja seadistada toodet. Rohkem teavet <https://wiki.teltonika-networks.com/>
- [FI]** Käyttöohje: Kytke virtalähde päälle laitteen. Avaa 192.168.2.1 selaimen määrittää 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/>
- [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 in <https://wiki.teltonika-networks.com/>
- [GR]** εγχειρίδιο οδηγιών: 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 információt <https://wiki.teltonika-networks.com/>
- [IE]** Lámhleabhar Treoracha: Ceangail an t-adapter cumhachta chun an gléas a chasadh ar. Oscail 192.168.2.1 i do bhrabhsálaí gréasáin chun é a chumrú. Tuilleadh eolais ar <https://wiki.teltonika-networks.com/>
- [IT]** Manuale di istruzioni: collegare l'adattatore di alimentazione per accendere il dispositivo. Aprì 192.168.2.1 nel tuo browser web per configurarlo. Maggiori informazioni su <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/>
- [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/>
- [MT]** Manwal tal-Istruzzjoni: Qabbad l-adapter tal-enerġija biex tixgħel l-apparat. Iftaħ 192.168.2.1 fil-web browser tiegħek biex tikkonfigurah. Aktar informazzjoni dwar <https://wiki.teltonika-networks.com>
- [NO]** Bruksanvisningen: Koble strømadapteren for å slå på enheten. Åpne 192.168.2.1 i en netleser 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. Deschideți 192.168.2.1 întrun browser web pentru a configura produsul. Mai multe informații în <https://wiki.teltonika-networks.com/>
- [SK]** Návod na použitie: Pripojením napájacieho adaptéra zapnete zariadenie. Otvorte vo svojom webovom prehliadači stránku s IP adresou 192.168.2.1 a nakonfigurujte ho. Viac informácií na <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/>
- [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/>
- [SE]** Instruktionsmanual: Anslut nätadap 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/>



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.