

TRB245

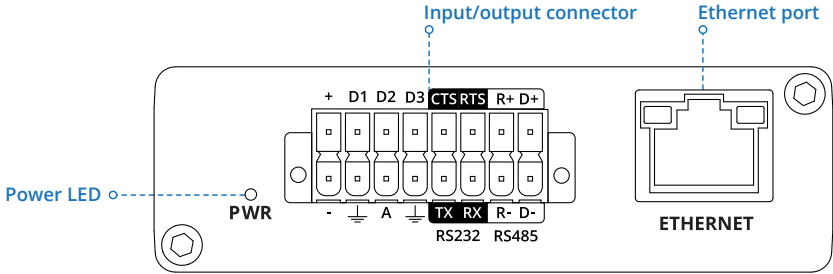
Quick Start Guide v1.5



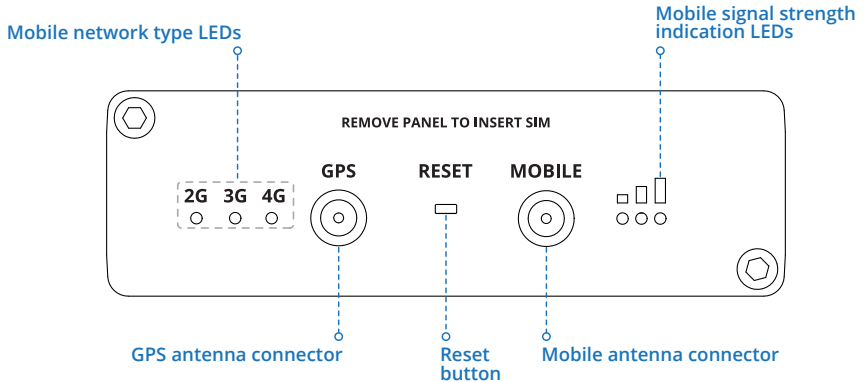
Wiki knowledge base
<https://wiki.teltonika-networks.com/>



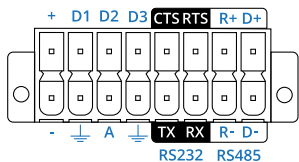
FRONT VIEW



BACK VIEW



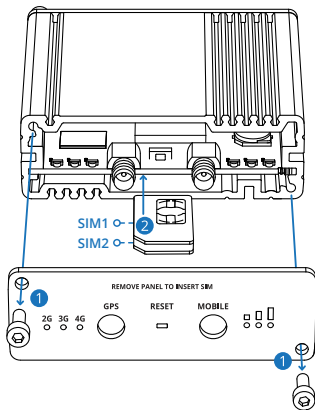
16 PIN CONNECTOR PINOUT



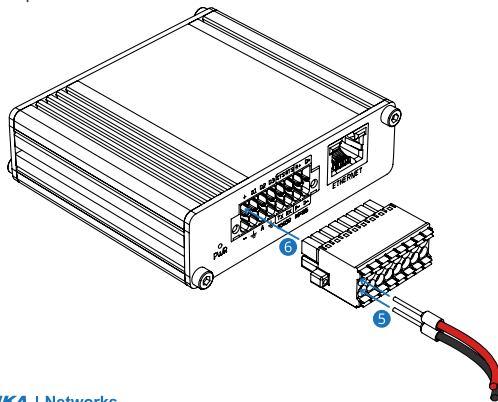
- + - 9-30 VDC positive power pin
- D1, D2, D3 - Configurable digital Input/Output pins. Open collector output, max output 30 V, 300 mA or Digital input where 0-6 V detected as logic low and 8-30 V – logic high.
- CTS - RS232 clear data to send pin (output).
- RTS - RS232 request data to send pin (input).
- R+ - RS485 receiver positive signal pin.
- D+ - RS485 driver positive signal pin.
- Negative/ground power pin.
- ⊥ - Ground pins for D1, D2, D3, A, RS232 and RS485.
- A - Analog input pin. Analog voltage range 0-30 V.
- TX - RS232 transmitted data (input).
- RX - RS232 received data (output).
- R- - RS485 receiver negative signal.
- D- - RS485 driver negative signal.

HARDWARE INSTALLATION

1. Unscrew two back panel hex bolts and remove the back panel.
2. Insert your SIM card(s) into the SIM socket(s), which are located on the bottom side of PCB.
3. Attach the panel and tighten the hex bolts.
4. Attach the mobile antenna (max torque 0.4 N·m / 3.5 lbf·in).



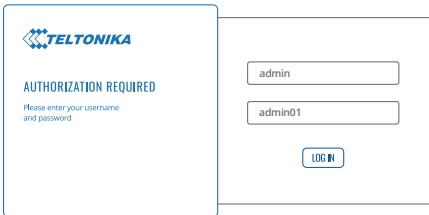
5. Connect open PSU leads to 16 pin terminal block:
 - a) red wire to top row first contact (+);
 - b) black wire to bottom row first contact (-).
6. Connect the 16 pin terminal block to gateway 16 pin connector and plug other end of the power adapter into a power outlet.



DEVICE CONFIGURATION

1. Power on the device and connect the Ethernet cable to your computer.
2. Allow the gateway to boot up. This might take up to 60 seconds.
3. To enter the gateway Web interface (WebUI), type <http://192.168.1.1> into the URL field of your Internet browser.
4. Use login information shown in image A when prompted for authentication.
5. After you log in, you will be prompted to change your password for security reasons. The new password must contain at least 8 characters, including at least one uppercase letter, one lowercase letter and one digit. This step is mandatory, and **you will not be able to interact with the gateway WebUI until you change the password.**
6. When you change the gateway password, the **Configuration Wizard** will start. The **Configuration Wizard** is a tool used to set up some of the gateway main operating parameters.
7. Go to the **Overview** page and pay attention to the **Signal Strength** indication (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.



MOBILE	-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, GNSS
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, 1 A, connected to 16 pin terminal block
Mobile antenna	698-960 / 1710-2690 MHz, 50 Ω, VSWR < 3, gain** 3 dBi, omnidirectional, SMA male connector
GNSS antenna	1575.42-1602 MHz, 2.2-5 VDC, VSWR < 1.5, gain** 28 dB (typ.), RHCP polarization, 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

TRB245 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 TRB245 е в съответствие със съществените изисквания и другите приложими разпоредби на Директива 2014/53/EU.
[HR] Croatian	Ovim TELTONIKA NETWORKS izjavljujemo da je ovaj TRB245 u skladu s bitnim zahtjevima i ostalim relevantnim odredbama Direktive 2014/53/EU.
[CZ] Czech	TELTONIKA NETWORKS tímto prohlašuje, že TRB245 splňuje základní požadavky a všechna příslušná ustanovení Směrnice 2014/53/EU.
[DK] Danish	Undertegnede TELTONIKA NETWORKS erklærer herved, at følgende udstyr TRB245 overholder de væsentlige krav og øvrige relevante krav i direktiv 2014/53/EU.
[NL] Dutch	Hierbij verklaart TELTONIKA NETWORKS dat het toestel I TRB245 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 TRB245 is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.
[EE] Estonian	Käesolevaga kinnitab TELTONIKA NETWORKS seadme TRB245 vastavust direktiivi CE/RED põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
[FI] Finish	TELTONIKA NETWORKS vakuuttaa täten että TRB245 tyyppinen laite on direktiivin 2014/53/EU oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
[FR] French	TELTONIKA NETWORKS déclare que cette TRB245 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 TRB245 je v súlade so základnými požiadavkami a ďalšími príslušnými ustanoveniami smernice 2014/53/EU.
[GR] Greek	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Ο ΚΑΤΑΣΚΕΥΑΣΤΗΣ ΤΗΛΤΟΝΙΚΑ ΝΕΤΟΥΡΚΣ ΔΗΛΩΝΕΙ ΟΤΙ ΤΗ Β245 ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 2014/53/EU.
[HU] Hungarian	A TELTONIKA NETWORKS ezzenel kijelenti, hogy a TRB245 típusú berendezés teljesíti az alapelvű követelményeket és más CE/RED irányelvben meghatározott vonatkozó rendelkezéseket.
[IE] Irish	Leis seo, dearbhaíonn TELTONIKA NETWORKS go gcomhlíonann an TRB245 seo bunriachtanais agus forálacha ábhartha eile Threoir 2014/53/EU.
[IT] Italian	Con la presente, TELTONIKA NETWORKS dichiara che questo TRB245 è conforme ai requisiti essenziali e ad altre disposizioni pertinenti della Direttiva 2014/53/EU.
[LV] Latvian	Ar šo TELTONIKA NETWORKS deklarē, ka TRB245 atbilst Direktivas 2014/53/EU būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
[LT] Lithuanian	Šiuo dokumentu UAB TELTONIKA NETWORKS deklaruoją, kad šis TRB245 atitinka esminius reikalavimus ir kitas 2014/53/EU Direktyvos nuostatas.
[MT] Maltese	Hawnhekk, TELTONIKA NETWORKS tidjikkjara li dan I-TRB245 huwa konformi mar-rekwiziti essenzjali u dispożizzjonijiet rilevanti oħra tad-Direttiva 2014/53/EU.
[NO] Norwegian	TELTONIKA NETWORKS Erklærer herved at TRB245 er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 2014/53/EU.
[PL] Polish	Niniejszym TELTONIKA NETWORKS deklaruje że TRB245 jest zgodny z zasadniczymi wymaganiami i innymi właściwymi postanowieniami Dyrektywy 2014/53/EU.
[PT] Portuguese	EU, TELTONIKA NETWORKS declaro que o TRB245 cumpre os requisitos essenciais e outras provisões relevantes da Directiva 2014/53/EU.
[RO] Romanian	Prin prezenta, TELTONIKA NETWORKS declară că aparatul TRB245 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 TRB245 je v súlade so základnými požiadavkami a ďalšími príslušnými ustanoveniami smernice 2014/53/EU.
[SI] Slovenian	TELTONIKA NETWORKS izjavlja, da je ta TRB245 v skladu z bistvenimi zahtevami in drugimi relevantnimi določili direktive 2014/53/EU.
[ES] Spanish	Por la presente, TELTONIKA NETWORKS declara que este TRB245 cumple con los requisitos esenciales y otras exigencias relevantes de la Directiva 2014/53/EU.
[SE] Swedish	Härmed intygar TELTONIKA NETWORKS att denna TRB245 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/TRB245_CE/RED

- [BG]** Инструкции: Свържете адаптера на захранване, за да включите устройството. Отворете 192.168.1.1 в уеб браузър, за да настроите продукта. Повече информация в <https://wiki.teltonika-networks.com/>
- [HR]** Upute za uporabu: Priključite napajanje. Otvorite 192.168.1.1 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 192.168.1.1 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 192.168.1.1 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 192.168.1.1 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 192.168.1.1 in your web browser to configure it. More information on <https://wiki.teltonika-networks.com/>
- [EE]** Kasutusjuhend: Ühendage toiteadapter seadme sisselülitamiseks. Avatud 192.168.1.1 in veebilehitseja seadistada toodet. Rohkem teavet <https://wiki.teltonika-networks.com/>
- [FI]** Käyttöohje: Kytke virtalähde päälle laitteeseen. Avaa 192.168.1.1 in selaimen määrittävä tuotteen. Lisää tietoa <https://wiki.teltonika-networks.com/>
- [FR]** Mode d'emploi: Connectez l'adaptateur d'alimentation pour allumer l'appareil. Ouvrez 192.168.1.1 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 192.168.1.1 in einem Web Browser, um das Produkt zu konfigurieren. Weitere Informationen im <https://wiki.teltonika-networks.com/>
- [GR]** εγχειρίδιο οδηγιών: Συνδέστε τον προσαρμογέα τροφοδοσίας για να ενεργοποιήσετε τη μονάδα. Ανοίξτε 192.168.1.1 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 192.168.1.1 egy webböngészőben beállítani a terméket. Több információ <https://wiki.teltonika-networks.com/>
- [IE]** Lámhleabhar Treoracha: Ceangail an t-adapter cumhachta chun an gléas a chasadh air. Oscail 192.168.1.1 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. Apri 192.168.1.1 nel tuo browser web per configurarlo. Maggiori informazioni su <https://wiki.teltonika-networks.com>
- [LV]** Lietošanas instrukcija: Pievienojiet Strāvas adapteri, lai ieslēgtu ierīci. Atvērt 192.168.1.1 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 192.168.1.1 - galite konfigūruoti gaminį. Daugiau informacijos rasite <https://wiki.teltonika-networks.com/>
- [MT]** Manwal tal-Istruzzjoni: Qabbad l-adapter tal-enerġija biex tixgħel l-apparat. Iftah 192.168.1.1 fil-web browser tiegħek biex tikkonfigurah. Aktar informazzjoni dwar <https://wiki.teltonika-networks.com>
- [NO]** Bruksanvisningen: Koble strømadapteren for å slå på enheten. Åpne 192.168.1.1 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 192.168.1.1 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 192.168.1.1 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 192.168.1.1 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 192.168.1.1 a nakonfigurujte ho. Viac informácií na <https://wiki.teltonika-networks.com>
- [SI]** Navodila: Priključite napajalnik za vklop naprave. Odprite 192.168.1.1 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 192.168.1.1 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 192.168.1.1 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.