RoHS Compliant

DNV·GL ISO 9001 QUALITY SYSTEM CERTIFICATION

TRB145 LTE RS485 Gateway

Quick start guide v2.0

Scan to discover

Front view

1. Power LED
2. Power socket
3. RS485 connector
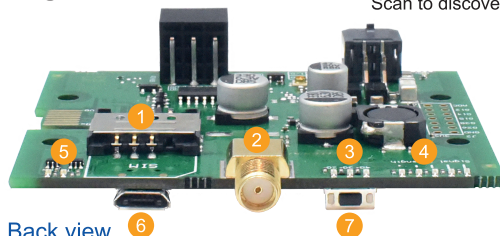
Back view

1. SIM card slot
2. Mobile antenna connector
3. Mobile connection type LEDs
4. Mobile signal strength indication LEDs
5. RX/TX LEDs
6. USB connector
7. Reset button

RS485 connector pinout		
Pin	Name	Description
1	D_N	Driver negative signal
2	R_N	Receiver negative signal
3	GND	Device ground
4	D_P	Driver positive signal
5	R_P	Receiver positive signal
6	Vin	Power input 9-30 VDC
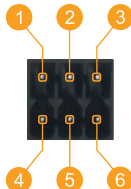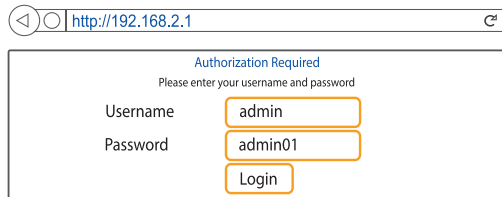
Power socket pinout		
No.	Description	Wire color
1	Power	Red
2	Ground	Black
3	I/O	Green
4	I/O	White
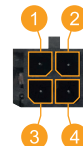
Device configuration

1. Power on the device and connect USB cable to your computer.
2. Allow the gateway to boot up. This might take up to 30 s.
3. Your computer's OS should detect the USB device and install the drivers for virtual NDIS network adapter. IP address is set automatically via DCHP.
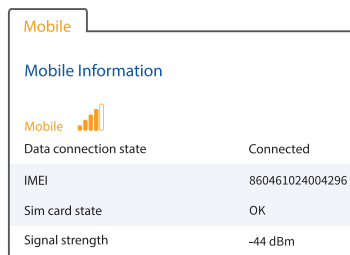4. Use a Web browser to go to address http://192.168.2.1
5. Use the following credentials to login:

| ◁ ○ | http://192.168.2.1 | ⟳ |

Authorization Required
Please enter your username and password

Username	admin
Password	admin01
	Login

6. Go to WebUI's Status > Overview page to check the signal strength.

Mobile

Mobile Information

Mobile 📶

Data connection state	Connected
IMEI	860461024004296
Sim card state	OK
Signal strength	–44 dBm

Safety information

TRB145 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.

Radio specifications	
RF technologies	GSM, GPRS, EDGE, UMTS/HSPA+, LTE
Max RF power	32 dBm@GSM, 24 dBm@WCDMA, 23 dBm@LTE
Bundled accessories specifications*	
Power	AC/DC power adapter 9 V, 1 A, 4 pin plug
GSM/WCDMA/LTE antenna	698-868/1850-2690 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 extension cable is used. The user is responsible for the compliance with the legal regulations.

This sign on the package means that it is necessary to read the User Manual before you start using the device.

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