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## ime RUTM10 Router



## Safety information

Before starting operating the device, please review the recommendations and precautions to minimize the possibility of accidents. Safety precautions presented are supplementary and subject to the local safety regulations. When various operations are executed on the device, the user must fully follow the safety instructions and recommendations provided with the device.

## General

### Radio specifications

- RF Technologies Wi-Fi
- Max RF power 20 dBm@Wi-Fi 2.4G, 23 dBm@Wi-Fi 5G
- Bundled accessories specifications\*
- Power adapter Input: 0.6A@100-240 VAC, Output: 12 VDC, 1.5A, 4-pin plug
- WiFi antenna 2400~2500 MHz, 5100~5950 MHz, 50  $\Omega$ , VSWR<2.5, gain\*\* 3.5 dBi, omnidirectional, RP-SMA male connector

\* Order code dependant.

\*\*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. RUTM10 ethernet router 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.

## Markings

- Detailed compliance information is available at the following internet address:  
[wiki.teltonikanetworks.com/view/Certificates](http://wiki.teltonikanetworks.com/view/Certificates)
- This sign means that it is necessary to read the User's 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.
- Hereby, TELTONIKA NETWORKS declares that this RUTM10 is in compliance with the essential requirements and other relevant provisions of Directives 2014/53/EU, 2011/65/EU, 2009/125/EC. The full text of the EU Declaration of Conformity is available at the following internet address: <https://wiki.teltonika-networks.com/view/RUTM10>
- Hereby, TELTONIKA NETWORKS declares that this RUTM10 is in compliance with Radio Equipment Regulations 2017, The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012, The Ecodesign for Energy-Related.
- Products and Energy Information (Amendment) (EU Exit) Regulations 2019. The full text of the UK Declaration of Conformity is available at the following internet address: <https://wiki.teltonika-networks.com/view/RUTM10>

## RF exposure

This device meets the official requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by authorized agencies. The device must be used with a minimum separation of 20 cm from a person's body to ensure compliance with RF

exposure guidelines. Failure to observe these instructions could result in your RF exposure exceeding the applicable limits.

External antennas used with RUTM10 must be installed to provide a distance of at least 20 cm from any people and must not be co-located or operated in conjunction with any other antenna or transmitter.

Any external antenna gain must meet RF exposure and maximum radiated output power limits of the applicable rule section.

## **Maximum transmission power**

- GSM 33 dBm
- WCDMA 24 dBm
- LTE 23 dBm
- Wi-Fi 2.4G 20 dBm

In all EU member states, operation of 5150-5350 MHz is restricted to indoor use only.

## **Product Safety and Use**

### **Operating conditions**

Operating temperature: -40° to +75° Celsius

Humidity should be in the range of 10% to 90% (non-condensing). Only use the device in dry environments.

### **Out of direct sunlight**

Away from heat source, corrosive substances, salts, and flammable gases

Attention: operation outside the permissible range can considerably shorten the service life of the device.

## **Faulty and damaged products**

Do not attempt to disassemble the device or its accessories.

Only qualified personnel must service or repair the device or its accessories.

If your device or its accessories have been submerged in water punctured or subjected to a severe fall, do not use until they have been checked at an authorized service center.

## **Electrical safety**

- Only use approved accessories.
- Do not connect with incompatible products or accessories.
- It is recommended to ground devices with grounding terminals before connecting them to power. Failure to ground appropriately might result in a shock hazard. The cross-sectional area of the protective grounding conductor should be at least 1mm<sup>2</sup>.

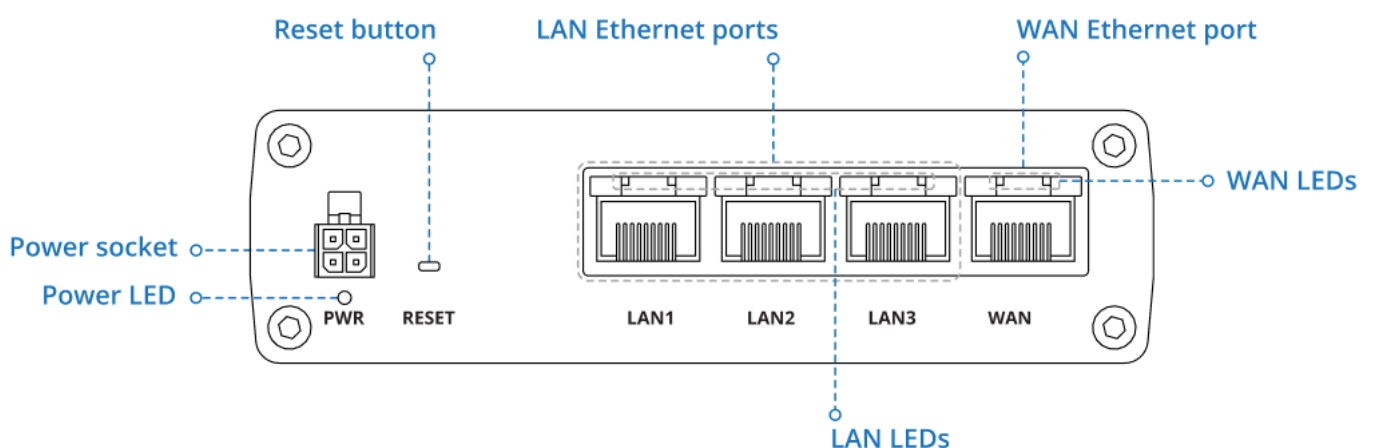
## **Product handling**

- You alone are responsible for how you use your device and any consequences related to its use.
- Use of your device is subject to safety measures designed to protect users and their environment.
- Always treat your device and its accessories with care and keep it in a clean and dust-free place.
- Do not expose your device or its accessories to open flames or lit tobacco products, liquid, moisture, or high humidity.
- Do not drop, throw or try to bend your device or its accessories.
- Do not use harsh chemicals, cleaning solvents, or aerosols to clean the device or its accessories.
- Do not paint your device or its accessories.
- Do not attempt to disassemble your device (exemptions for devices that require disassembly for SIM insertion) or its accessories: it does not contain any user-serviceable parts. For safety reasons, the equipment should be opened only by qualified personnel.
- Make sure to use ESD personal protective equipment while the equipment is serviced.
- Do not use your device in an enclosed environment where heat dissipation is poor.
- Prolonged use in such space may cause excessive heat and raise ambient temperature, which will lead to the automatic shutdown of your device or the disconnection of the mobile network connection for your safety. To use your device again after such a shutdown, cool it in a well-ventilated place before turning it on.
- Please check all national laws and local regulations for the disposal of electronic products.

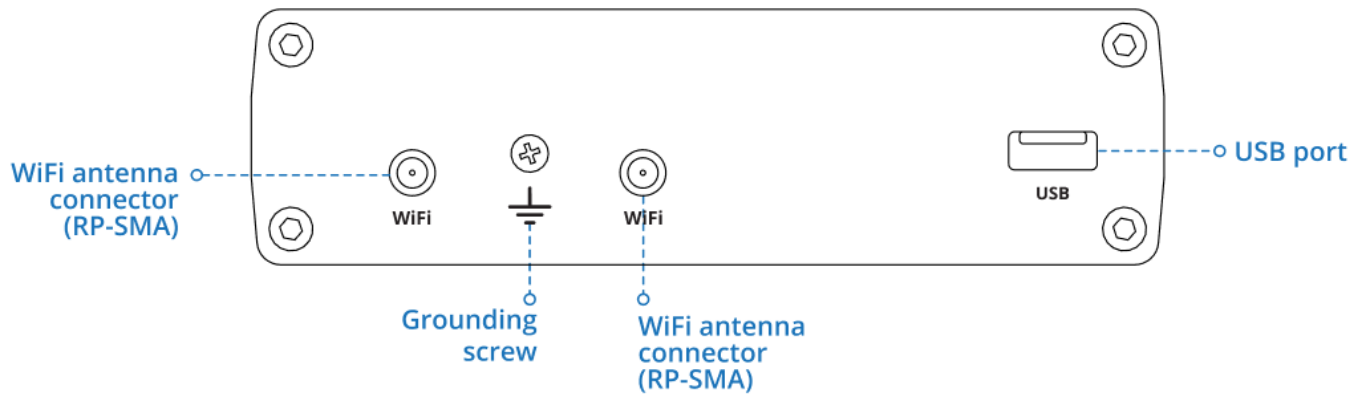
- Do not operate the device where ventilation is restricted.
- Do not use or install this product near water to avoid fire or shock hazards.
- Avoid exposing the equipment to rain or damp areas.
- Arrange power and Ethernet cables so that they are not likely to be stepped on or have items placed on them.
- Ensure that the voltage and the rated current of the power source match the device's requirements. Do not connect the device to an inappropriate power source.
- During a thunderstorm, no operations should be carried out on the device and cables.
- The unit must be powered off where blasting is in progress and explosive atmospheres are present or near medical life support equipment.
- Do not leave your device and its accessories within reach of small children or allow them to play with it. They could hurt themselves or others and could accidentally damage the device.
- Your device contains small parts with sharp edges that may cause an injury choking hazard.
- Like any wireless device, this device operates using radio signals, which cannot guarantee connection in all conditions. Therefore, you must never rely solely on any wireless device for emergency communications or otherwise use the device in situations where the interruption of data connectivity could lead to death, personal injury, property damage, data, or other loss.
- The device may become warm during regular use.

## Quick Start Guide

### Front view



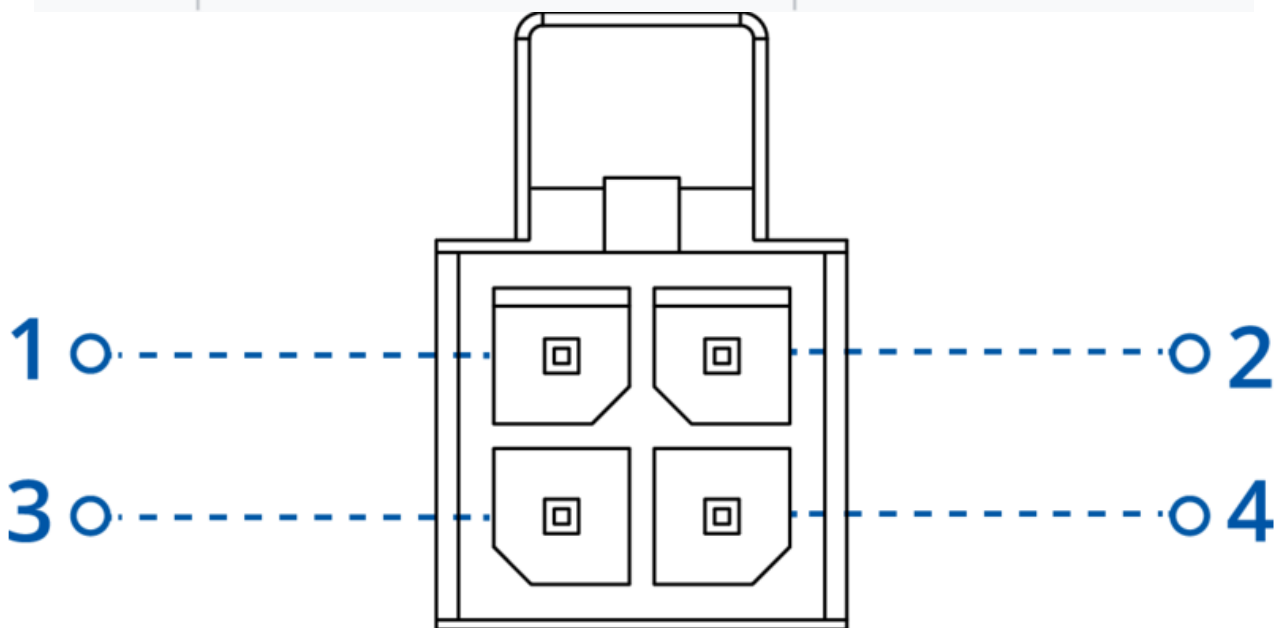
### Back view



## Connectors

### Power Socket Pinout

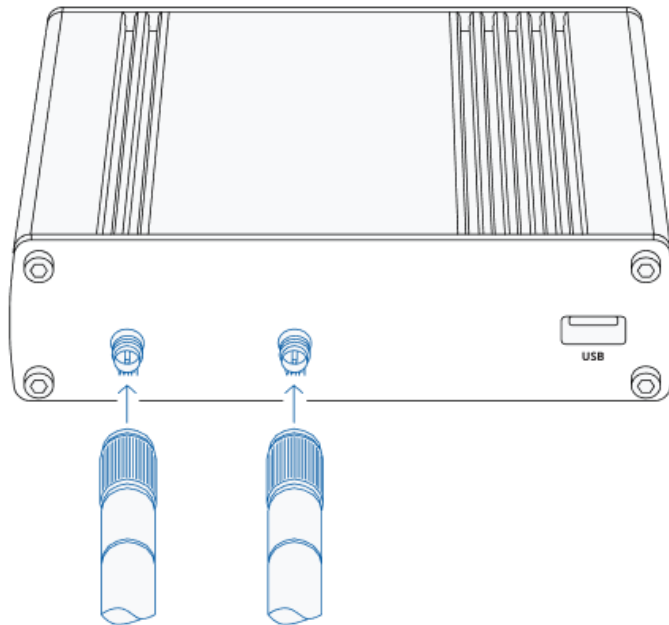
NO.	DESCRIPTION	WIRE COLOR
1	Power	Red
2	Ground	Black
3	I/O	Green
4	I/O	White



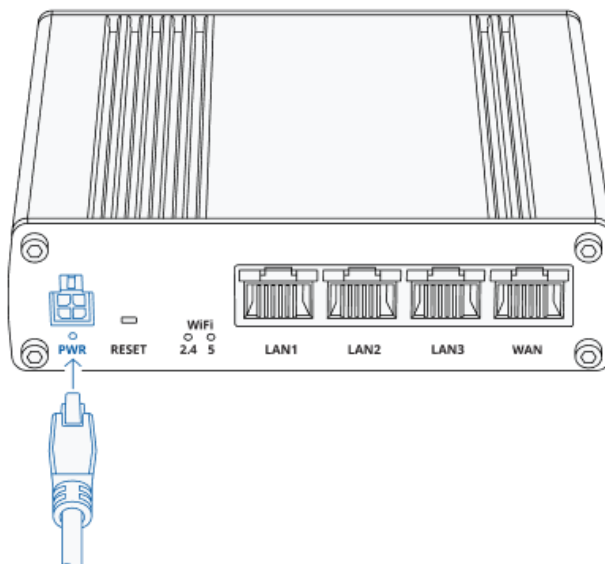
Size of this preview: 800 × 393 pixels. Other resolution: 1,084 × 533 pixels.

## Hardware installation

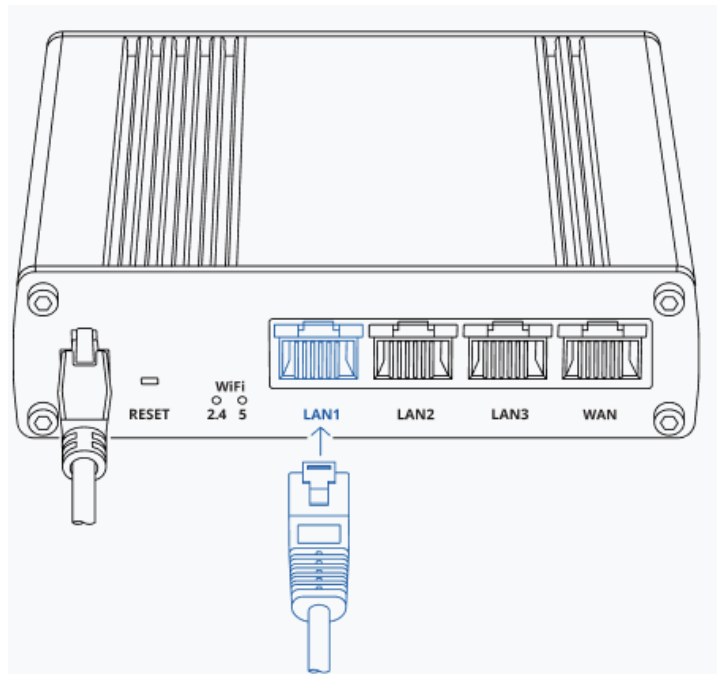
1. Attach WiFi antenna to connector labeled “WiFi.”



2. Connect the 4-pin connector to the power socket on the front of the device. Then plug the power adapter into an electric outlet.

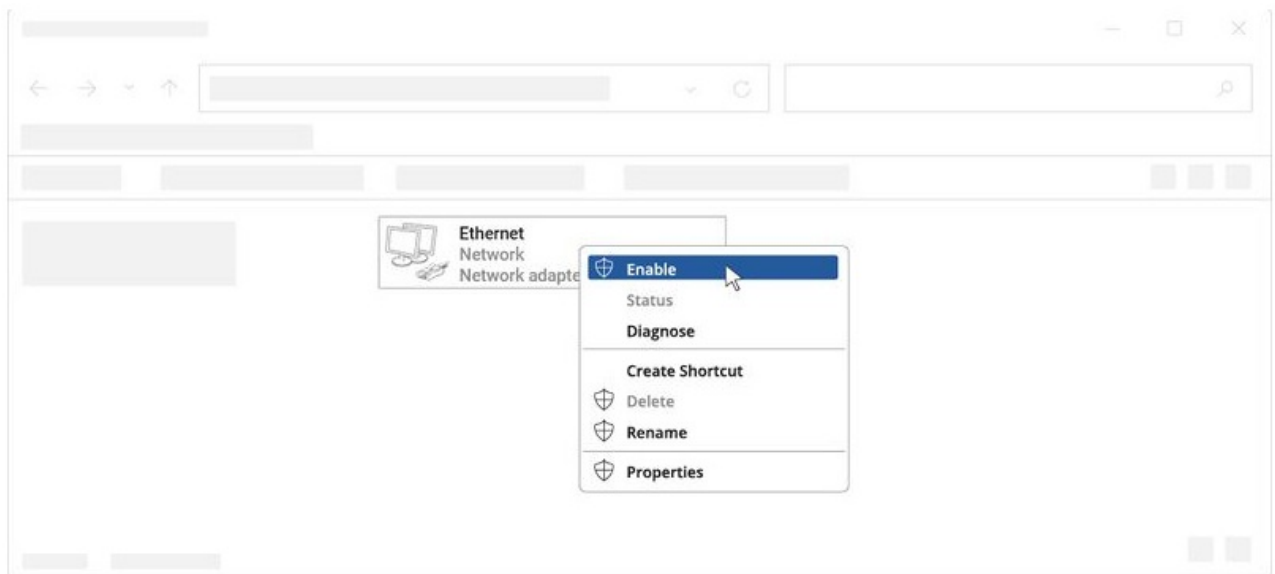


3. Connect to the device wirelessly using SSID and password provided on the device information label or use an Ethernet cable connected to a LAN port.

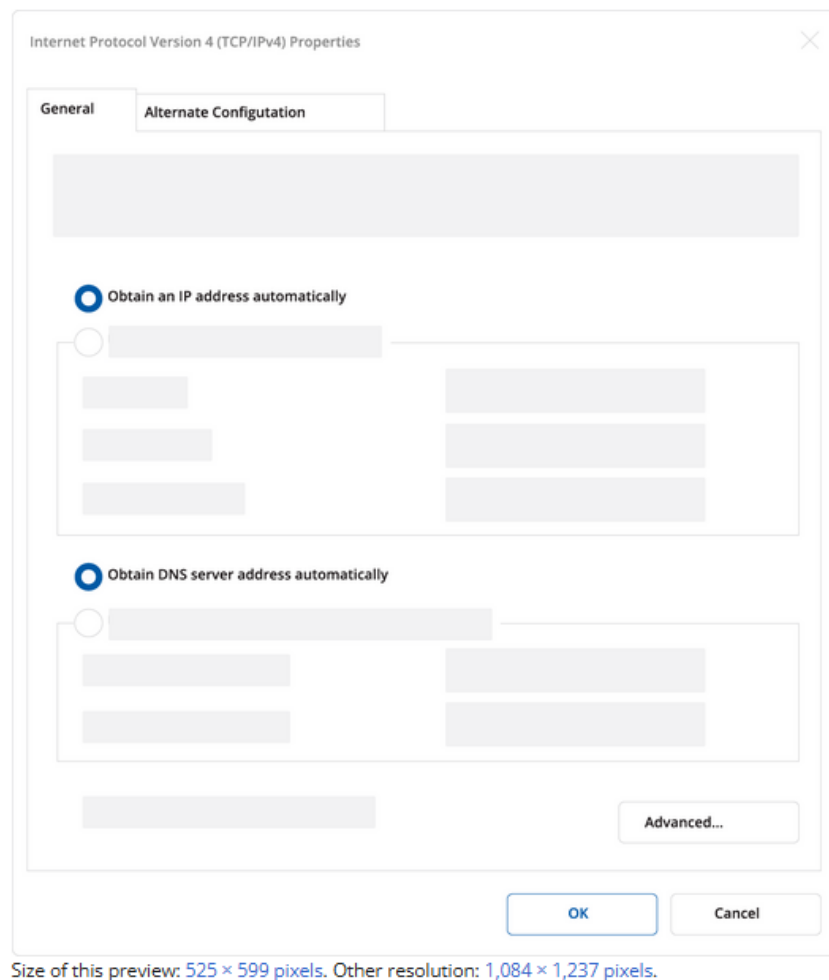


## Configure your computer LAN (Windows)

1. Ensure the Network connection is Enabled. Go to Start – Control Panel – Network and Internet – Network and Sharing Center. Click on the Change adapter settings in the left panel, then right-click on Network Adapter, and select Enable.



2. Check if IP and DNS are obtained automatically. Right-click on Wireless Network Adapter and select Properties. Then select Internet Protocol Version 4 and click Properties. 3. If not selected, check to obtain an IP address and obtain DNS server address automatically. Click OK.



## Login to device


1. To enter the router's Web interface (WebUI), type `http://192.168.1.1` into the URL field of your Internet browser.

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**AUTHORIZATION REQUIRED**

Please enter your username and password


Username

Password  

**LOG IN**

2. When prompted for authentication, enter the username admin and enter the password located on the device information label/engraving.
3. After logging in, you must set a new password for security reasons. You will not be able to interact with the router's WebUI until the default password is changed. The new password must consist of a minimum of 8 characters. Requirements: one uppercase letter, one lowercase letter, and one digit.
4. Next, the Configuration Wizard will start to help you set up some of the router's main operational parameters.

## Documents / Resources

	<a href="#">ime RUTM10 Router [pdf]</a> Instruction Manual RUTM10, RUTM10 Router, RUTM10, Router
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## References

- [File:4 pin power socket pinout.png - Teltonika Networks Wiki](#)
- [File:Configure your computer step 2.png - Teltonika Networks Wiki](#)
- [File:Power Socket Pinout Schematic.png - Teltonika Networks Wiki](#)
- [File:WEEE LOGO.png - Teltonika Networks Wiki](#)
- [File:CE LOGO.png - Teltonika Networks Wiki](#)
- [File:Configure-your-network-1.jpg - Teltonika Networks Wiki](#)
- [File:Login to device step 1.png - Teltonika Networks Wiki](#)
- [File:Restrictions LOGO.png - Teltonika Networks Wiki](#)
- [File:UKCA LOGO.png - Teltonika Networks Wiki](#)
- [wiki.teltonika-networks.com/view/Special:FilePath/File:RUTM10\\_Back\\_View.png](#)
- [wiki.teltonika-networks.com/view/Special:FilePath/File:RUTM10\\_Front\\_View.png](#)
- [wiki.teltonika-networks.com/view/Special:FilePath/File:RUTM10\\_Isometric\\_View.png](#)
- [wiki.teltonika-networks.com/view/Special:FilePath/RUTM10\\_back\\_drawing.png](#)
- [wiki.teltonika-networks.com/view/Special:FilePath/RUTM10\\_front\\_drawing.png](#)
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[networks.com/view/Special:FilePath/RUTM10\\_hw\\_instalation\\_step\\_1.png](https://networks.com/view/Special:FilePath/RUTM10_hw_instalation_step_1.png)



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[networks.com/view/Special:FilePath/RUTM10\\_hw\\_instalation\\_step\\_2.png](https://networks.com/view/Special:FilePath/RUTM10_hw_instalation_step_2.png)

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[networks.com/view/Special:FilePath/RUTM10\\_hw\\_instalation\\_step\\_3.png](https://networks.com/view/Special:FilePath/RUTM10_hw_instalation_step_3.png)

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- [Certificates - Teltonika Networks Wiki](#)
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- [QSG RUTM10 - Teltonika Networks Wiki](#)
- [RUTM Routers - Teltonika Networks Wiki](#)
- [RUTM10 - Teltonika Networks Wiki](#)
- [User Manual](#)

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