



TELTONIKA | Easy key to IoT



**Networking
products catalog**

2019 January



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Chief Operating Officer – Networking

I am very excited to announce our new RUT X and TRB families of devices which were born from a desire to follow our strengths and were closely developed following invaluable feedback from our partners helping us to adapt to ever-changing market needs.

We are constantly looking for ways to improve not only our products, but also our user experience therefore we have launched Wiki knowledge base and Crowd support platform. The feedback about the platforms is great and I hope you will find them helpful too!

Innovation will always be at the heart of Teltonika, however, quality and reliability are the foundation of our business.

Passion and dedication of our employees and our partners continue to contribute to a new and better - connected world.

I invite you to create this world together!

20+ YEARS

in IoT business

**1 500+
CUSTOMERS**

in 150+ countries

**700+
EMPLOYEES**

200+ dedicated
to RnD

**8 600 000+
DEVICES**

already deployed



Crowd-support forum
<https://community.teltonika.lt/>



Wiki knowledge base
<https://wiki.teltonika.lt/>

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RutOS



Teltonika Operating System for Networking products

RutOS is our unified router Operating System and the core component of all Teltonika networking products. 10+ years of development made RutOS grow to the highest Industry standards. Security, stability and user experience are the key values that our platform is built around. Intuitive Web interface and constantly growing Wiki/Crowd-Support platforms help our partners to cut costs on engineer training while implementing new devices or migrating from other systems.

Teltonika networking products stand out as easily manageable devices on the market. Multiple remote monitoring and control functions are inseparable part of RutOS. This Open-source OpenWrt based Operating System along with full software documentation enable easy development of custom software solutions or new functionality as well as fast integration with 3rd party platforms.

Main RutOS features:

Security features

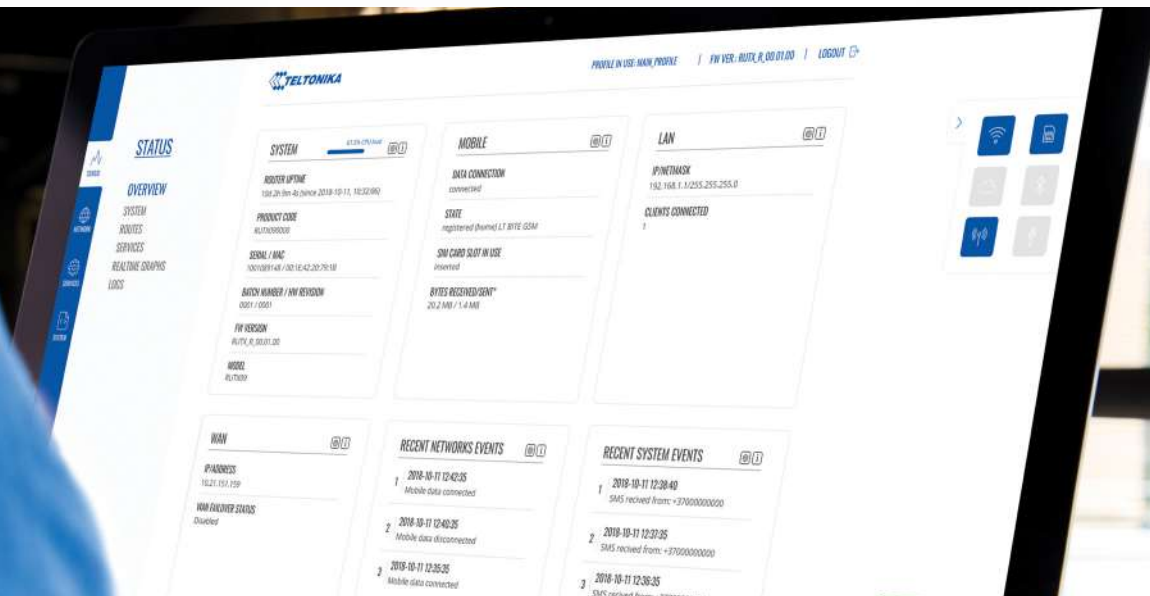
- OpenVPN
- PPTP
- IPsec
- L2TP
- Firewall
- GRE Tunnel
- MAC filter

Networking Protocols

- Modbus
- SNMP
- MQTT
- TR-069
- NTRIP
- NTP
- VoIP support

Remote Management

- SMS utilities
- RMS
- CLI
- VPN
- FOTA
- SSH
- JSON-RPC





TRB140

EASY

LTE Ethernet Gateway Board

Ultra-small, lightweight and energy efficient IoT device equipped with mission-critical LTE connectivity, Gigabit Ethernet interface and Linux environment offering a high degree of customization. TRB140 is perfect for projects and applications where a sole gadget must be granted reliable and secure Internet connectivity.



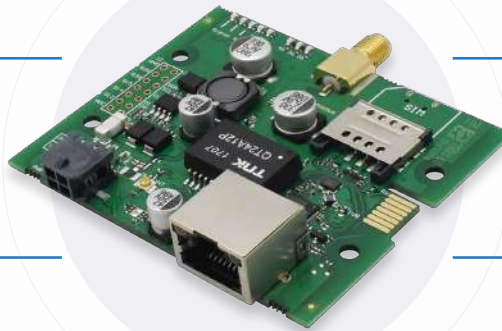
Ethernet interface



LTE Cat 4 up to 150 Mbps



Compact size, easy integration



9-30V

Wide range of power supply voltages



Teltonika Remote Management System compatible

RutOS

Easy to use, secure and feature rich OpenWrt based Operating System

Access control



Smart Parking



Vending machines

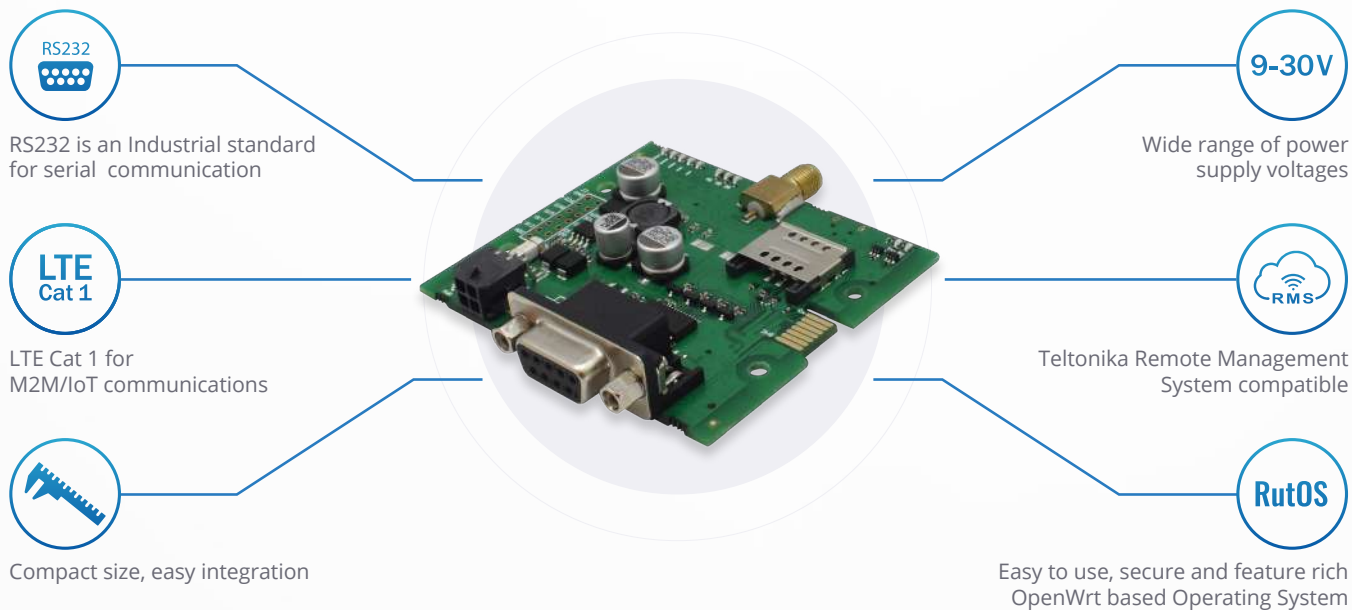


TRB142



LTE RS232 Gateway Board

Ultra-small, lightweight and energy efficient IoT device equipped with mission-critical LTE connectivity. TRB142 comes with a widely used RS232 Industrial interface for remote device management.



HVAC



Slot machines



Industrial automation





TRB145

EASY

LTE RS485 Gateway Board

Ultra-small, lightweight and energy efficient IoT device equipped with mission-critical LTE connectivity. TRB145 comes with a widely used RS485 Industrial interface for remote device management.



RS485 - Industrial differential serial communication



LTE Cat 1 for M2M/IoT communications



Compact size, easy integration



9-30V

Wide range of power supply voltages



Teltonika Remote Management System compatible

RutOS

Easy to use, secure and feature rich OpenWrt based Operating System

Ticket machines



Utility meters



Cold chain monitoring



RUT230



3G Industrial Cellular router

Compact, robust and powerful device tailored for Industrial M2M/IoT applications where no high data throughput is needed. RUT230 is equipped with 2 x Ethernet and Wireless interfaces. Device provides secure and stable Internet connectivity for Industrial applications using RutOS software and security features such as OpenVPN, IPsec, Firewall, Hotspot, SMS control and RMS support.



Self-service kiosks



Solar plants



Automated gas stations





RUT240

EASY

LTE Cat4 Industrial Cellular router

Compact, robust and powerful device tailored for Industrial M2M/IoT applications. RUT240 is equipped with 2 x Ethernet and Wireless interfaces with Hotspot functionality. Device provides secure and stable Internet connectivity for Industrial applications using RutOS software and security features such as OpenVPN, IPsec, Firewall, Hotspot, SMS control and RMS support.



Wind power plants



Payment terminals



Digital signage



RUT850



LTE Cat4 Automotive Cellular router

E-mark certified, ultra-slim router equipped with Ignition detection (sleep mode), Overvoltage Protection and Automotive FAKRA connectors. RUT850 comes with RutOS software and security features such as Firewall, Hotspot, SMS control, RMS support and custom GNSS tracking protocol that is compatible with main Global AVL tracking platforms.



Water transport Taxi Limousine service





RUT900

ADVANCED

3G Industrial Cellular router

This router is equipped with Dual-SIM, 4 x Ethernet interfaces and WiFi. RUT900 is a robust and powerful device tailored for Industrial M2M/IoT applications where no high data throughput is needed. RUT900 comes with core RutOS software and security features such as OpenVPN, IPsec, Firewall, Auto Failover, SMS control and RMS support.



Heating control



Diesel generators



Fire alarm systems



RUT950



LTE Cat4 Industrial Cellular router

This router is equipped with Dual-SIM, 4 x Ethernet interfaces and WiFi. Device is designed as Main/Backup Internet source and can guarantee reliable Internet connection with high data throughput and data redundancy. RUT950 comes with RutOS software and security features such as multiple VPN services, Firewall, Hotspot, Auto Failover, Load Balancing, SMS control and RMS support.



Smart transport systems



Public WiFi in remote areas



Traffic monitoring cameras





RUT955

LTE Cat4 Industrial Cellular router

Most feature rich device within RUT9 router series. Equipped with Dual-SIM, 4 x Ethernet, WiFi and RS232, RS485, USB interfaces and Inputs/Outputs. RUT955 comes with RutOS advanced software features such as Modbus, SNMP, TR-069, NTRIP, MQTT protocol support and custom GNSS tracking protocol that is compatible with Global AVL tracking platforms.



Smart warehouse



Traffic lights



Public transportation WiFi



RUTX08

Available from
2019 Q1

Next Generation Industrial VPN router

This robust industrial router is equipped with 4 x Gigabit Ethernet ports, Quad-core CPU and 256 MB of RAM. These powerful specifications combined with core RutOS software features such as multiple VPN services, advanced Firewall and RMS support makes this device a superb Industrial performer where no Cellular or WiFi connectivity is required.



Smart lighting



ATM



Printer management



Available from
2019 Q1

RUTX09

ADVANCED

Next Generation LTE Cat6 Industrial Cellular router

This powerful LTE router is designed as a Main/Backup Internet source where steady connection and high data throughput is required. Equipped with Dual-SIM and 4 x Gigabit Ethernet ports. RUTX09 has all advanced RutOS software and security features.



Emergency services

Waste management

Office Backup



RUTX10

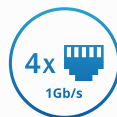
Available from
2019 Q2

Next Generation Enterprise VPN router

This device is equipped with Dual-Band AC WiFi, Quad-core CPU, 256 MB of RAM and 4 x Gigabit Ethernet ports. Powerful hardware combined with all advanced RutOS software and security features make this device a great performer. It is a fast, secure and reliable Enterprise VPN router.



Wave-2 802.11ac Dual Band WiFi with speeds up to 867 Mbps



Gigabit Ethernet with speeds up to 1000 Mbps



Teltonika Remote Management System compatible



Bluetooth LE for short range communication



RutOS – easy to use, secure and feature rich OpenWrt based Operating System



Multiple secure VPN services

Access control



Indoor Hotspot



Smart warehouse



Available from
2019 Q2

RUTX11

ADVANCED

Next Generation LTE Cat6 Industrial Cellular router

Most powerful and feature rich device within Teltonika Networking products range. Equipped with Dual-SIM, 4 x Gigabit Ethernet ports, Dual-Band AC WiFi, Bluetooth LE and USB interfaces. RUTX11 comes with all RutOS software and security features. This device is perfect for advanced Industrial and Enterprise applications.



Industrial automation



Unmanned Aerial Vehicles



Public WiFi



RMS



Remote Management System

Remote Management System (RMS) is a centralized Cloud-based platform that allows to access, monitor and control all Teltonika networking devices. This platform allows users to analyze and monitor router statistical data, access WebUI interface of individual devices, change configuration of multiple connected routers using customizable selected profiles. In addition, it is possible to do remote automatic firmware updates and access equipment behind the router.

Accessibility and security

- Routers will not be dependent on having a Public IP address for Remote Access, increasing data security and lowering operational costs. Communication between device and server is securely encrypted, requires no configuration thus adding protection to the user's sensitive information.

Statistics

- Reporting tools allow creation of custom data reports related to device availability, performance and exceptions.

Maintenance and Diagnostics

- RMS platform visually displays performance indicators like - temperature, signal strength, device status and uptime.
- Users are able to view parameter values related to the GPS services.
- For proactive diagnostics users can remotely reboot devices, download and install Firmware Updates, download troubleshooting or system event files for in-depth router health analysis.



RMS APP

iOS and Android Apps

RMS mobile applications allow users to quickly and conveniently access core RMS functions using just a smartphone or a tablet on the go. It's fast and user-friendly which saves time and adds to multiple ways of managing Teltonika router fleet.

Fast management

- Core settings can be monitored and changed quickly without a need of PC or laptop.
- Fast and easy router deployment.

Status information

- Remote monitoring and router management saves travel time in cases where devices are in hard-to-reach locations.
- User-friendly router statistical data graphs.

Remote firmware update

- Update device to the latest available firmware version using FOTA service.

Efficiency

- Receive real-time push notifications and RMS generated reports straight to your phone or tablet.

Teltonika RMS



ACCESSORIES/ POWERING OPTIONS



AU power supply, 2 pin
Order code: PR3PUAU2



AU power supply, 4 pin
Order code: 035R-00108



EU power supply, 2 pin
Order code: 035R-00101



EU power supply, 4 pin
Order code: 035R-00109



UK power supply, 2 pin
Order code: PR3PUUK2



UK power supply, 4 pin
Order code: 035R-00113



US power supply, 2 pin
Order code: PR3PUUS2



US power supply, 4 pin
Order code: 035R-00122



Automotive power supply, 2 pin
Order code: 058R-00245



Automotive power supply, 4 pin
Order code: PR2AM20M



4 pin power cable with 4-way screw terminal
Order code: PR2FK20M

ACCESSORIES/ ANTENNA OPTIONS



**COMBO MIMO Mobile/GNSS/
WIFI ROOF SMA Antenna**
Order code: 003R-00253



**COMBO SISO Mobile/GNSS/
WiFi ROOF SMA Antenna**
Order code: 003R-00254



**COMBO MIMO Mobile
ROOF SMA Antenna**
Order code: 003R-00252



**Mobile magnetic SMA
Antenna**
Order code: 003R-00229



Mobile SMA Antenna
Order code: 003R-00225



WiFi magnetic SMA Antenna
Order code: 003R-00230



WiFi SMA Antenna
Order code: 003R-00224



**GNSS Adhesive SMA
Antenna**
Order code: 003R-00211



**GNSS Adhesive fakra
antenna**
Order code: 003R-00213



**Mobile adhesive fakra
antenna**
Order code: 003R-00177

ACCESSORIES/ MOUNTING OPTIONS



Compact DIN Rail Kit*
Order code: PR5MEC11



DIN Rail Kit*
Order code: PR5MEC00



Surface mounting kit*
Order code: PR5MEC12



TRB DIN Rail Kit**
Order code: PR5MEC13

SURFACE MOUNTING EXAMPLES



* Compatible with RUT2**, RUT9** and RUTX** series devices.

** Compatible with TRB14* series devices.





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