Networking products catalog
2019 January
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!

Giedrius Kukauskas
Chief Operating Officer – Networking
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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 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
- Easy to use, secure and feature rich OpenWrt based Operating System

Applications:
- 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.

- **RS232**
  - RS232 is an Industrial standard for serial communication

- **LTE Cat 1**
  - 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
TRB145

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** - 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.

- Worldwide 3G network coverage
- Compact size, easy integration
- Automatic switching to available Backup connection
- Digital Input/Output for remote monitoring and control
- Wireless Access Point with Hotspot and station functionality
- Teltonika Remote Management System compatible

Applications:

- Self-service kiosks
- Solar plants
- Automated gas stations
RUT240

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.

- **LTE Cat4**
  - LTE Cat 4 up to 150 Mbps

- **WAN failover**
  - Automatic switching to available Backup connection

- **Wireless Access Point**
  - Wireless Access Point with Hotspot and station functionality

- **Compact size, easy integration**

- **Digital Input/Output**
  - Digital Input/Output for remote monitoring and control

- **Teltonika Remote Management System compatible**

**Applications:**

- 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.
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.
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.

- **LTE Cat4**
  - LTE Cat 4 up to 150 Mbps

- **WAN failover**
  - Automatic switching to available Backup connection

- **WiFi**
  - Wireless Access Point with Hotspot and station functionality

- **Dual-SIM with auto Failover, Backup WAN and other SW features**

- **4x Ethernet ports with VLAN functionality**

- **Teltonika Remote Management System compatible**

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.

- LTE Cat 4 up to 150 Mbps
- Dual-SIM with Auto Failover, Backup WAN and other SW features
- GNSS positioning with geofencing functionality
- Multiple Inputs/Outputs for remote monitoring and control
- Teltonika Remote Management System compatible
- RS232/RS485 serial communication interfaces

Smart warehouse  Traffic lights  Public transportation WiFi
**RUTX08**

**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.

- **4x 1Gb/s**: Gigabit Ethernet with speed up to 1000 Mbps
- **RutOS**: Easy to use, secure and feature rich OpenWrt based Operating System
- **VPN**: Multiple secure VPN services
- **9-50V**: Wide range of power supply voltages for simpler integration
- **Quad-core ARM Cortex A7 CPU, 717 MHz**: Teltonika Remote Management System compatible

Available from 2019 Q1
RUTX09

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.

- LTE Cat 6
  - LTE Cat 6 with speeds up to 300 Mbps
- 4x 1Gb/s
  - Gigabit Ethernet with speeds up to 1000 Mbps
- Dual-SIM
  - Dual-SIM with auto Failover, Backup WAN and other SW features
- Teltonika Remote Management System compatible
- Multiple secure VPN services
- Easy to use, secure and feature rich OpenWrt based Operating System

Available from 2019 Q1

Emergency services

Waste management

Office Backup
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
RUTX11

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.

Available from 2019 Q2

- **LTE Cat 6**
  LTE Cat 6 with speeds up to 300 Mbps

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

- **4x SIM**
  Dual-SIM with Auto Failover, Backup WAN and other SW features

- **Gigabit Ethernet**
  up to 1000 Mbps

- **Teltonika Remote Management System**
  compatible

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

Industrial automation  Unmanned Aerial Vehicles  Public WiFi
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 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**

iOS and Android Apps

![Download on the App Store](link)  ![Get it on Google Play](link)
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

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.
### Products key features

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