



JANUARY, 2022

# PRODUCT CATALOG

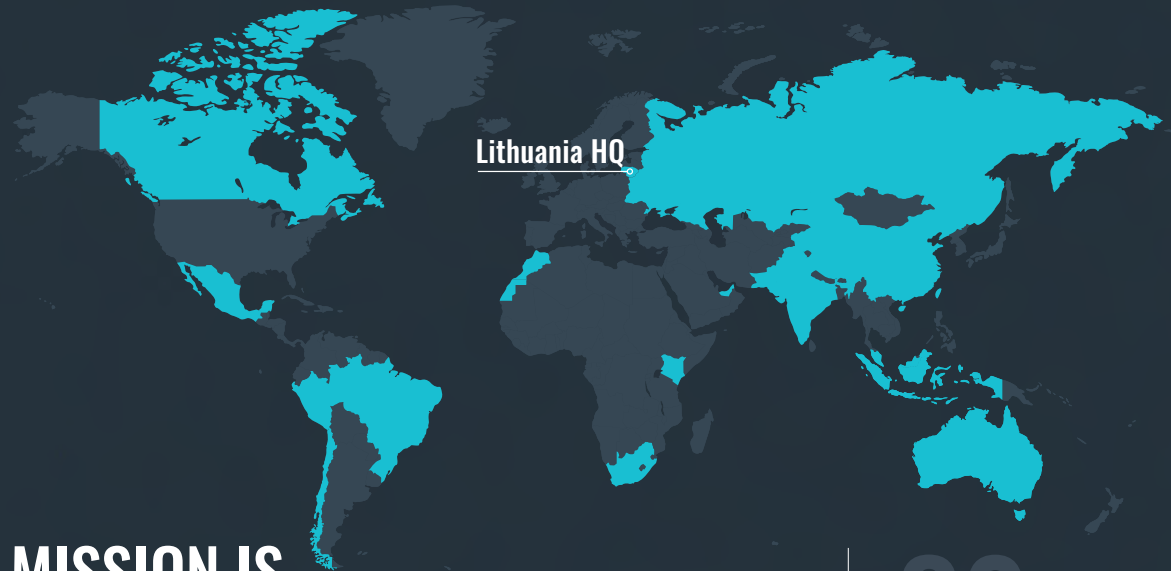


# WHO WE ARE?

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**23 YEARS  
OF IoT BUSINESS**

We are a rapidly growing technology company, manufacturing professional network connectivity equipment for international markets. Through long-term experience and research and development of industrial network devices for IoT and M2M communication, we have developed a wide portfolio of products for the most complex areas, such as Industry 4.0, Smart City, and Green Energy.



## OUR MISSION IS

to be a fast and flexible partner and be closer to our clients in every world region. Longstanding experience, reliable supply chain, and highest technology process models enable us to produce millions of IoT devices to our clients.

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## OUR VISION IS

to become one of the global leaders providing unique IoT solutions that contribute to making people's lives easier. We are open-minded to establish the environment for the creative and ambitious work professionals in Lithuania and the rest of the world to grow and contribute towards our Mission.

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## OUR VALUES ARE

not only working but also living to help and sharing kindness to people, especially those who need our help the most. We are keeping our values by continuously and courageously creating synergy between Teltonika IoT Group and business partners as well as clients.

**30  
OFFICES  
IN 21  
COUNTRIES**

# HOLISTIC APPROACH



From concept to the finished product – we develop everything in-house to ensure maximum quality and efficiency. It enables us to move much faster because we do not rely on any externalities.

Over the years, we have implemented hundreds of customized projects, from the smallest firmware changes to full-scale hardware alterations. This experience helped our partners capture more opportunities in the fast-paced technology environment - together.

We make all of our products in the state-of-the-art Teltonika IoT Group manufacturing facility in Vilnius, Lithuania. Full control over our production allows us to ensure that we deliver only the best and most reliable devices.



**5 MODERN  
SMT LINES**

**100+ ROBOTS FOR  
AUTOMATION**

**ECOFRIENDLY PACKAGING  
AND LASER ENGRAVING**

FROM CONCEPT TO THE FINISHED  
**PRODUCT**

## EXPERIENCE

For more than 23 years we have been providing reliable Industrial IoT & M2M connectivity solutions that are secure and easy to use.

## FLEXIBILITY

We have implemented hundreds of customized projects from the smallest firmware changes to full-scale hardware alterations.

## ALL IN ONE

From concept to the finished product – we develop everything in-house to ensure maximum quality and efficiency.

# PORTFOLIO

WE HELP YOU  
CONNECT

We designed our product portfolio to help our partners access opportunities within the rapidly growing IoT and Industrial IoT space. It consists of modems, gateways, routers, switches, and IoT platforms. We have grown to be one of the leaders of cellular IoT devices for industrial and professional applications. From automation, smart grid, to public transport connectivity – hundreds of thousands of our networking products are currently at the heart of our partners' solutions.

<b>GROWING PORTFOLIO</b>	<b>+2</b>	<b>+3</b>	<b>+5</b>	<b>+5</b>	<b>+5</b>
	2017	2018	2019	2020	2021

## 27 DEVICES - UNLIMITED USE CASES



### INDUSTRIAL & AUTOMATION

Global adoption of automation demands the ability to monitor and manage equipment remotely to increase productivity.



### ENERGY & UTILITIES

Reducing power consumption and maintenance costs by building wired and wireless IoT connectivity solutions.



### SMART CITY

Connected sensors, infrastructure, vehicles, and devices require secure and reliable IoT connectivity products.



### TRANSPORTATION

Networking devices transport operators to optimize their businesses and create new revenue streams.



### ENTERPRISE

Enterprise applications require primary and backup connectivity solutions that are secure, reliable, and easy to use.



### RETAIL

IoT connectivity solutions offer new ways to interact with clients and collect valuable data to make strategic decisions.



**RMS**



# RMS

## REMOTE MANAGEMENT SYSTEM

The Remote Management System (RMS) by Teltonika Networks allows you to control your whole connected IoT solution from anywhere in the world. RMS offers remote access to all devices from a single user-friendly platform. We tailored RMS to meet the requirements of various clients with four available RMS services.

### NO PUBLIC IP

Access your devices anywhere, without public IP

### SECURE

Protect your data with encrypted communication

### CUSTOMIZABLE

Adapt the interface and functionality to your needs

### EFFICIENT

Optimize time and resources with remote access

## TRY RMS FOR FREE

Explore the potential of any available RMS service with a [30-day trial!](#)



# CENTRALIZED REMOTE VENDING MACHINE POS SYSTEM MANAGEMENT



## RETAIL

Vending machines have been around for centuries. Their popularity is still on the rise for several reasons. First, they do not require any human presence and save time in fast-paced environments. Also, they offer 24/7 availability and do not need much space, hence lower upkeep costs.

### SOLUTION

Usually, vending machines use third-party cashless payment terminals. An essential element for these systems is having uninterrupted, secure internet connectivity. In this case, the RUT300 Ethernet router connects the POS, Linux PC, and various sensors to the network using five Gigabit Ethernet ports. TSW110 gateway enables connecting more sensors for a plug-n-play ecosystem expansion.

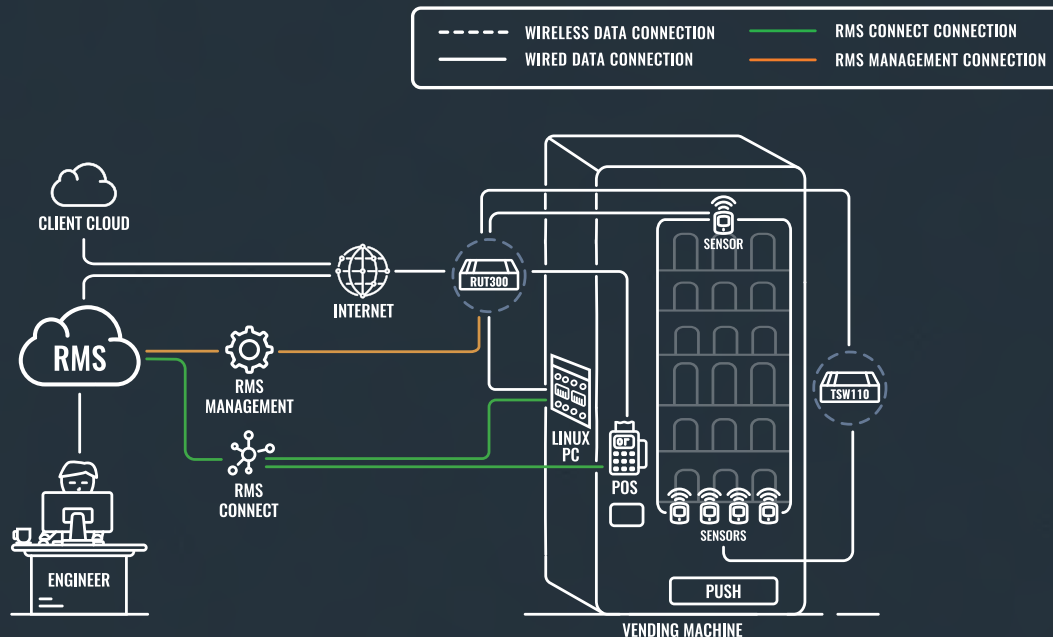
Another vital element in such solutions is remote management capability. Vending machine operators look after hundreds of machines in varied distanced locations. Due to stringent security policies, they require frequent firmware updates. Here RMS comes in to save the day of engineers and support specialists. Not only may they connect to Teltonika Networks routers for diagnostics, updates, and troubleshooting via RMS Management, but they can also reach

third-party devices, including the POS terminal, via RMS Connect to carry out whatever tasks they require.

To better illustrate the gain of RMS, let's multiply the number of vending machines by the hourly rate of an engineer and the fuel consumption needed to visit multiple remote locations. With RMS Connect, users can update thousands of POS terminals simultaneously from anywhere they are.

### BENEFITS

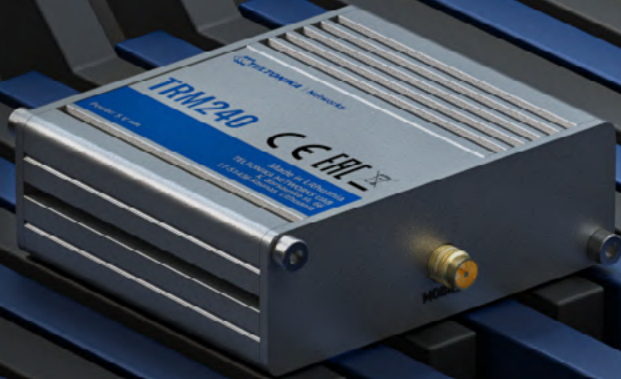
- /Remote management of Teltonika Networks devices via RMS Management for diagnostics, maintenance, and troubleshooting.
- /Remote accessibility of third-party devices via RMS Connect.
- /Real-time alerts to stay on top of your solution and prevent costly downtime.
- /Periodical or on-demand activity reports for optimization.
- /Compatible with various OS, including Linux, Windows, and Mac.
- /Hosted on AWS, RMS complies with rigorous security requirements and aligns with the latest cyber threat data.
- /Friendly payment plans: pay only for the services you need and the amount of data you use.







**CELLULAR**



# TRM240

## INDUSTRIAL CELLULAR MODEM

TRM240 is an industrial-grade USB LTE Cat 1 modem with a rugged housing and an external antenna for better signal coverage. This product is perfect for upgrading existing industrial equipment with cost-efficient LTE connectivity.

### CONNECTIVITY

4G LTE (Cat 1), 3G, 2G

### COMPACT & DURABLE

Small size, easy installation

### USB

Interface for Internet access

### EXTERNAL ANTENNA

For deployment flexibility

## STANDARD PACKAGE CONTAINS:

TRM240 // 1 x LTE antenna (swivel, SMA male) // Micro-USB cable (0.8 m) // 1 x hex key // QSG (Quick Start Guide) // Packaging box



# TRM250

## INDUSTRIAL CELLULAR MODEM

TRM250 is an industrial-grade USB LTE Cat-M1/NB-IoT/EGPRS modem with a rugged housing and an external antenna for better signal coverage. This product is perfect for providing cost-efficient internet connectivity in remote monitoring applications.

## CONNECTIVITY

4G LTE (Cat M1), NB-IoT, 2G

## COMPACT & DURABLE

Small size, easy installation

## USB

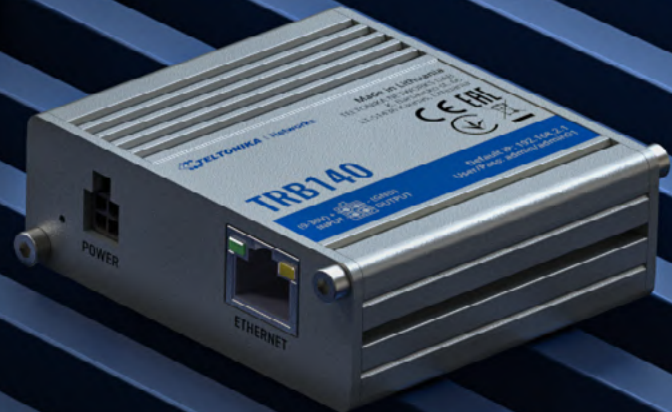
Interface for Internet access

## EXTERNAL ANTENNA

For deployment flexibility

## STANDARD PACKAGE CONTAINS:

TRM250 // 1 x LTE antenna (swivel, SMA male) // Micro-USB cable (0.8 m) // 1 x hex key // QSG (Quick Start Guide) // Packaging box



# TRB140

## INDUSTRIAL RUGGED LTE GATEWAY

TRB140 is an ultra-small, lightweight, and energy-efficient IoT device with mission-critical LTE Cat 4 and Gigabit Ethernet connectivity options. Linux environment offers a high degree of customization. This gateway is perfect for projects and applications where a single device must be upgraded with reliable and secure internet connectivity.

### CONNECTIVITY

4G LTE (Cat 4), 3G, 2G

### COMPACTNESS

Small and rugged aluminum housing for easy installation

### PROTOCOLS

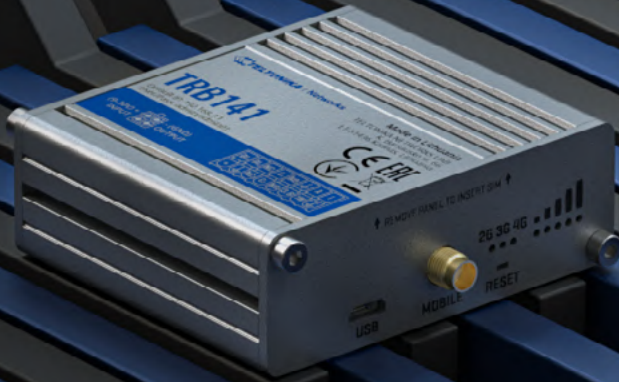
Compatible with industrial DNP3 & Modbus communication protocols

### RMS

For remote management, access & VPN services

## STANDARD PACKAGE CONTAINS:

TRB140 // 9 W PSU // 1 x LTE antenna (magnetic mount, SMA male, 3 m cable) // Micro-USB cable (0.8 m) // 1 x hex key // LAN cable // RMS Flyer // QSG (Quick Start Guide) // Packaging box



# TRB141

## INDUSTRIAL RUGGED GPIO LTE GATEWAY

TRB141 is a small industrial LTE Cat 1 gateway equipped with diverse inputs/outputs and a Micro USB port. This gateway comes with secure, highly customizable RutOS and works perfectly for remote management of devices and applications using I/O.

### CONNECTIVITY

4G LTE (Cat 1), 3G, 2G

### COMPACTNESS

Small and rugged aluminum housing for easy installation

### I/O

Wide range of Inputs/Outputs for remote monitoring and control

### PROTOCOLS

Compatible with industrial DNP3 & Modbus communication protocols

### STANDARD PACKAGE CONTAINS:

TRB141 // 9 W PSU // 1 x LTE antenna (magnetic mount, SMA male, 3 m cable) // Micro-USB cable (0.8 m) // 1 x hex key // I/O connector // RMS Flyer // QSG (Quick Start Guide) // Packaging box



# TRB142

## INDUSTRIAL RUGGED LTE RS232 GATEWAY

TRB142 is an ultra-small, lightweight, and energy-efficient IoT gateway equipped with mission-critical LTE connectivity. TRB142 comes with a widely used RS232 interface for remote management of industrial devices.

### CONNECTIVITY

4G LTE (Cat 1), 3G, 2G

### COMPACTNESS

Small and rugged aluminum housing for easy installation

### RS232

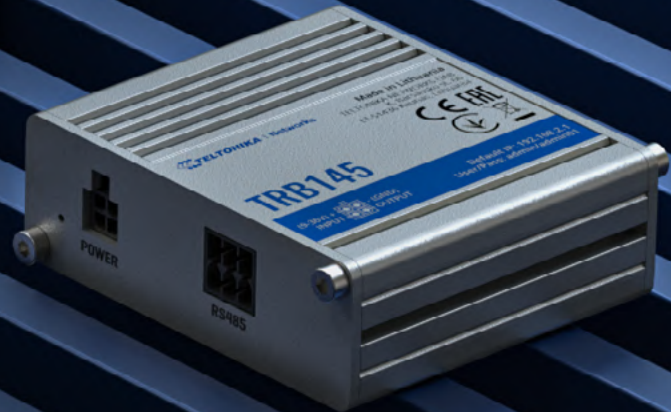
Equipped with RS232 for industrial serial communication

### PROTOCOLS

Compatible with industrial DNP3 & Modbus communication protocols

### STANDARD PACKAGE CONTAINS:

TRB142 // 9 W PSU // 1 x LTE antenna (magnetic mount, SMA male, 3 m cable) // Micro-USB cable (0.8 m) // 1 x hex key // RMS Flyer // QSG (Quick Start Guide) // Packaging box



# TRB145

## INDUSTRIAL RUGGED LTE RS485 GATEWAY

TRB145 is an ultra-small, lightweight, and energy-efficient IoT gateway equipped with mission-critical LTE connectivity that comes with a widely used RS485 interface for remote management of industrial equipment.

### CONNECTIVITY

4G LTE (Cat 1), 3G, 2G

### COMPACTNESS

Small and rugged aluminum housing for easy installation

### RS485

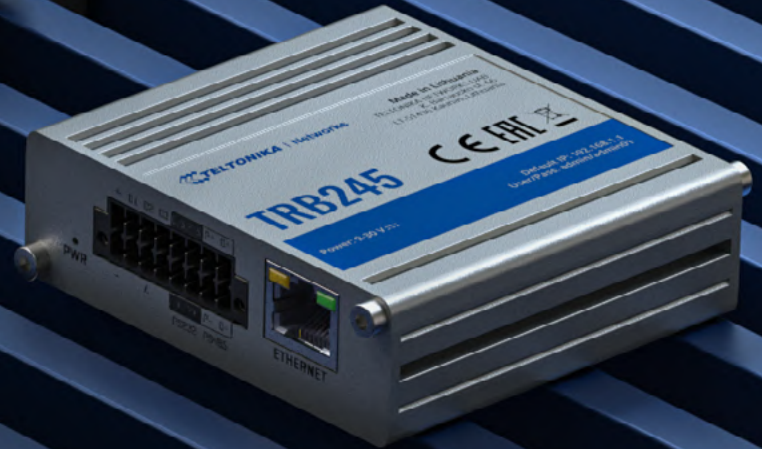
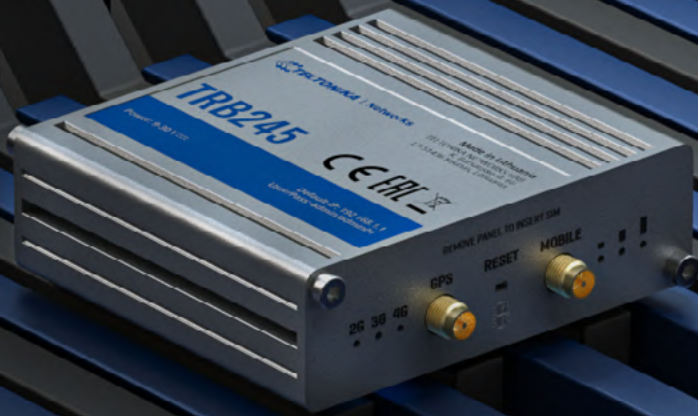
Equipped with RS485 for industrial serial communication

### PROTOCOLS

Compatible with industrial DNP3 & Modbus communication protocols

### STANDARD PACKAGE CONTAINS:

TRB145 // 9 W PSU // 1 x LTE antenna (magnetic mount, SMA male, 3 m cable) // Micro-USB cable (0.8 m) // 1 x hex key // RS485 connector // RMS Flyer // QSG (Quick Start Guide) // Packaging box



# TRB245

## INDUSTRIAL M2M LTE GATEWAY

TRB245 is an industrial all-in-one M2M LTE Cat 4 gateway equipped with multiple inputs/outputs, RS232, RS485, and Ethernet interfaces, allowing for universal application in M2M solutions.

### CONNECTIVITY

4G LTE (Cat 4), 3G, 2G

### DUAL SIM

With auto failover, backup WAN and other switching scenarios

### SERIAL PORTS

Equipped with RS232/RS485 serial communication interfaces

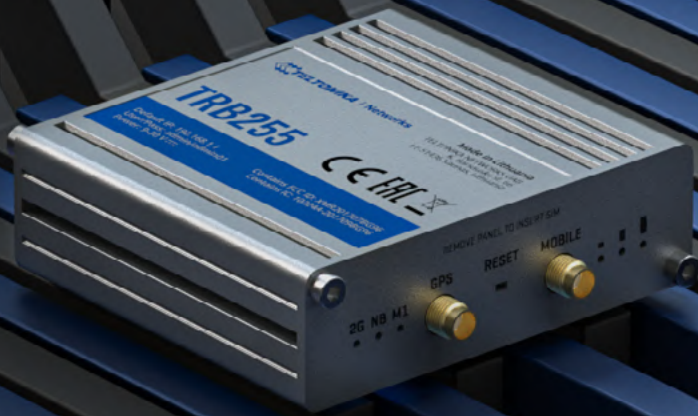
### I/O

Multiple Inputs and Outputs for remote monitoring and control

### STANDARD PACKAGE CONTAINS:

TRB245 // 9 W PSU // 1 x LTE antenna (swivel, SMA male) // 1 x GNSS antenna (adhesive, SMA male, 3 m cable) // 16 pin terminal block // 1 x hex key // RMS Flyer // QSG (Quick Start Guide) // Packaging box





# TRB255

## INDUSTRIAL M2M GATEWAY

Industrial all-in-one M2M LTE Cat-M1/NB-IoT/EGPRS gateway, equipped with multiple inputs/outputs, RS232, RS485, and Ethernet interfaces to be used universally in various M2M applications.

### CONNECTIVITY

4G LTE (Cat M1), NB-IoT, 2G

### DUAL SIM

With auto failover, backup WAN and other switching scenarios

### SERIAL PORTS

Equipped with RS232/RS485 serial communication interfaces

### I/O

Multiple Inputs and Outputs for remote monitoring and control

### STANDARD PACKAGE CONTAINS:

TRB255 // 9 W PSU // 1 x LTE antenna (swivel, SMA male) // 1 x GNSS antenna (adhesive, SMA male, 3 m cable) // Ethernet cable (1.5 m) // 1 x hex key // RMS Flyer // QSG (Quick Start Guide) // Packaging box

# MANUFACTURING FACILITY REMOTE MANAGEMENT



## // INDUSTRIAL & AUTOMATION

In 2020 there were more than 290 thousand manufacturing plants in the US alone. This number is bound to keep increasing as the world industry is ever-growing in size. Such industrial expansion can be hard to keep up with as hiring and training new personnel takes time. With the increase in the efficiency of their factories, companies resort to manufacturing and assembly line automation.

### SOLUTION

Does the fact that one device from Teltonika Networks can connect a PLC, HMI, RFID, panic alert button and more intrigue you? That little device is the TRB255 industrial M2M gateway. First of all, this gateway can communicate with various devices responsible for working on the manufacturing line thanks to multiple interface ports.

For the primary connections — PLC can be connected via the RS232 serial communication interface, while HMI can take up the RS485. This setup takes care of the central production line machinery. The Ethernet connects the HVAC (Heating, Ventilation and Conditioning) system, which can be adjusted based on the temperature and humidity sensors' data, connecting to TRB255 through the analog input.

Teltonika industrial gateway can also accommodate all the other supporting systems thanks to its multiple differing connections. Such

design can incorporate older components of the assembly line into one system. For example, a panic alert button can connect to one of the digital input/output ports, and another port can accommodate an RFID reader to ensure additional factory security.

While the TRB225 industrial gateway provides a way to incorporate all devices into one network, Teltonika Networks RMS (Remote Management System) lets you access all of it remotely. This setup enables you to reach our products and third-party equipment as if you were there physically and perform troubleshooting, update firmware, and change any settings.

### BENEFITS

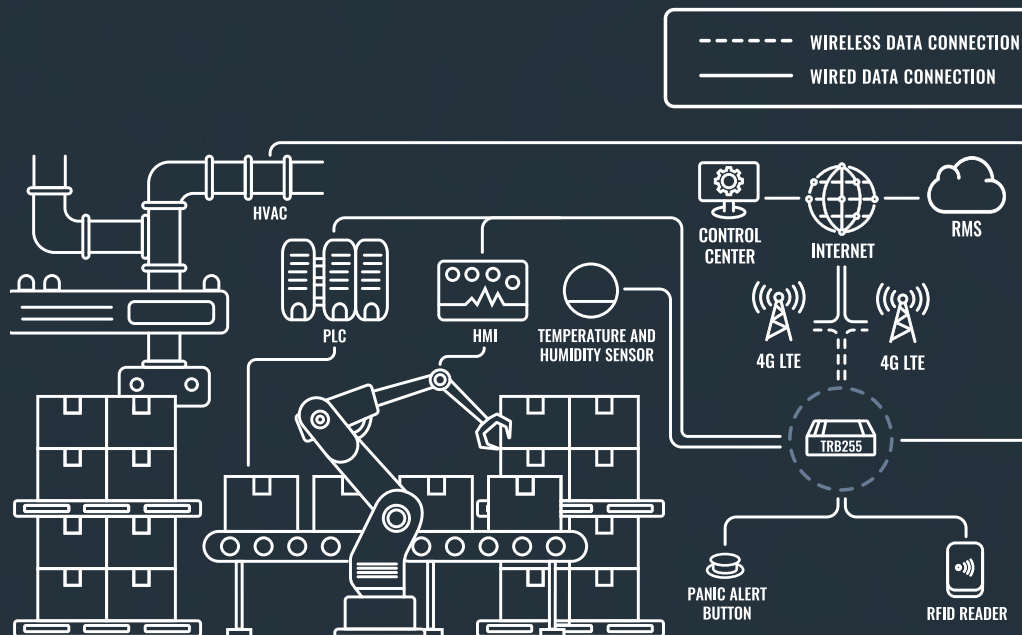
/Backward compatibility with the 2G network allows for installation in facilities using legacy equipment.

/The supported power supply voltages range from 9 to 30V, allowing easy integration with industrial components.

/Dual-SIM offers automatic failover in case the cellular network connection gets disrupted.

/TRB255 offers multiple interfaces, including RS232 and RS485, letting you connect old and new equipment in the same network.

/This router is compatible with the Teltonika RMS, which allows you to gather data and manage your Teltonika devices remotely.



# RUT200

## INDUSTRIAL CELLULAR ROUTER

RUT200 is a compact-sized industrial cellular router compatible with the Middle East, Asia, Africa, South America, and CIS networks. Featuring multiple connectivity options (LTE, Wi-Fi, and Ethernet), this model is perfect for quickly setting up primary and backup connectivity with remote management capabilities.

### CONNECTIVITY

4G LTE (Cat 4), 3G, 2G

### WI-FI

Wireless Access Point with Hotspot functionality

### WAN FAILOVER

Automatic switching to available Backup connection

### RMS

For remote management, access & VPN services

### STANDARD PACKAGE CONTAINS:

RUT200 // 9 W PSU // 2 x LTE antennas (swivel, SMA male) // 1 x WiFi antenna (swivel, RP-SMA male) // RMS Flyer // QSG (Quick Start Guide) // Packaging box

# RUT240

## INDUSTRIAL CELLULAR ROUTER

Compact, robust and powerful device tailored for industrial M2M/IoT applications. RUT240 features two Ethernet ports and a wireless interface with Hotspot functionality. Stable connectivity is ensured with WAN failover, while the RutOS software meets the highest security standards. Compatible with RMS.

### CONNECTIVITY

4G LTE (Cat 4), 3G, 2G

### WI-FI

Wireless Access Point with Hotspot functionality

### WAN FAILOVER

Automatic switching to available Backup connection

### RMS

For remote management, access & VPN services

### STANDARD PACKAGE CONTAINS:

RUT240 // 9 W PSU // 2 x LTE antennas (swivel, SMA male) // 1 x WiFi antenna (swivel, RP-SMA male) // Ethernet cable (1.5 m) // SIM Adapter kit // RMS Flyer // QSG (Quick Start Guide) // Packaging box

# RUT241

## INDUSTRIAL CELLULAR ROUTER

Equipped with 4G LTE, Wi-Fi, and two Ethernet ports, RUT241 offers unstopable connection continuity with automatic WAN failover. Industrial design, compact size, multiple connection interfaces, and compatibility with RMS make this device an excellent fit in numerous IoT and M2M solutions.

### CONNECTIVITY

4G LTE (Cat 4), 3G, 2G

### WI-FI

Wireless Access Point with Hotspot functionality

### WAN FAILOVER

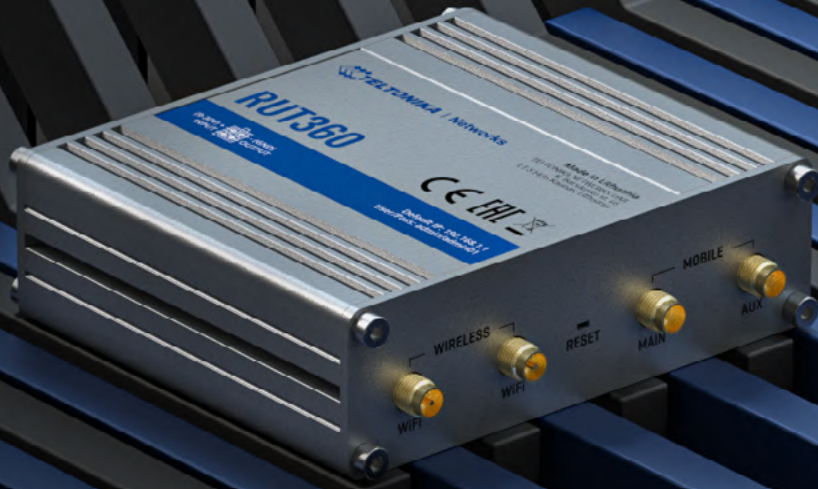
Automatic switching to available Backup connection

### RMS

For remote management, access & VPN services

### STANDARD PACKAGE CONTAINS:

RUT241 // 9 W PSU // 2 x LTE antennas (swivel, SMA male) // 1 x WiFi antenna (swivel, RP-SMA male) // Ethernet cable (1.5 m) // SIM Adapter kit // RMS Flyer // QSG (Quick Start Guide) // Packaging box



# RUT360

## LTE CAT6 INDUSTRIAL CELLULAR ROUTER

A successor of our best-selling RUT240, RUT360 keeps its compact shape in a rugged aluminum housing but offers more processing power and increased cellular speeds up to 300Mbps with Carrier Aggregation. Unique programming, remote monitoring, and security features make RUT360 perfect for IoT and M2M applications, where secure connectivity is required, but mobile data speeds are limited.

### 4G LTE CAT 6

Cellular speeds up to 300Mbps with Carrier Aggregation

### WI-FI

802.11 b/g/n Wireless Access Point with Hotspot functionality

### WAN FAILOVER

Automatic switching to available Backup connection

### RMS

For remote management, access & VPN services

## STANDARD PACKAGE CONTAINS:

RUT360 // 12 W PSU // 2 x LTE antennas (swivel, SMA male) // 2 x WiFi antennas (swivel, RP-SMA male) // Ethernet cable (1.5 m) // SIM Adapter kit // RMS Flyer // QSG (Quick Start Guide) // Packaging box



# RUT950

## INDUSTRIAL CELLULAR ROUTER

RUT950 is a high-performance cellular router featuring dual-SIM, four Ethernet interfaces, and Wi-Fi. The device is designed as a primary or backup internet source to guarantee a reliable connection with high data throughput and data redundancy. RUT950 comes with RutOS software security features and RMS support.

### CONNECTIVITY

4G LTE (Cat 4), 3G, 2G

### DUAL SIM

With auto failover, backup WAN and other switching scenarios

### WI-FI

Wireless Access Point with Hotspot functionality

### WAN FAILOVER

Automatic switching to available Backup connection

## STANDARD PACKAGE CONTAINS:

RUT950 // 9 W PSU // 2 x LTE antennas (swivel, SMA male) // 2 x WiFi antennas (swivel, RP-SMA male) // Ethernet cable (1.5 m) // SIM Adapter kit // RMS Flyer // QSG (Quick Start Guide) // Packaging box



# RUT951

## INDUSTRIAL CELLULAR ROUTER

RUT951 features dual-SIM cellular connectivity combined with Wi-Fi and four Ethernet interfaces to meet the needs of the most varied IoT scenarios. Powered by RutOS, this router offers advanced customization options, automation features, and top-level security for your solution.

### CONNECTIVITY

4G LTE (Cat 4), 3G, 2G

### DUAL SIM

With auto failover, backup WAN and other switching scenarios

### WI-FI

Wireless Access Point with Hotspot functionality

### WAN FAILOVER

Automatic switching to available Backup connection

## STANDARD PACKAGE CONTAINS:

RUT951 // 9 W PSU // 2 x LTE antennas (swivel, SMA male) // 2 x WiFi antennas (swivel, RP-SMA male) // Ethernet cable (1.5 m) // SIM Adapter kit // RMS Flyer // QSG (Quick Start Guide) // Packaging box





# RUT955

## INDUSTRIAL CELLULAR ROUTER

RUT955 offers a dual-SIM cellular connection, four Ethernet ports, and Wi-Fi combined with RS232, RS485, USB interfaces, and inputs/outputs for an incredible variety of professional application scenarios. This router comes with RutOS advanced software features such as Modbus, SNMP, TR-069, NTRIP, MQTT protocol support, and GNSS tracking capabilities.

## CONNECTIVITY

4G LTE (Cat 4), 3G, 2G

## DUAL SIM

With auto failover, backup WAN and other switching scenarios

## MULTIPLE INTERFACES

Ethernet, Serial (RS232, RS485) and multiple Inputs/Outputs for any industrial connectivity use case

## GNSS

Global Navigation Satellite System for location services and time synchronization

## STANDARD PACKAGE CONTAINS:

RUT955 // 9 W PSU // 2 x LTE antennas (magnetic mount, SMA male, 3 m cable) // 2 x WiFi antennas (magnetic mount, RP-SMA male, 1.5 m cable) // GNSS antenna (adhesive, SMA male, 3 m cable) // RS485 connector block // I/O connector block // Ethernet cable (1.5 m) // SIM Adapter kit // QSG (Quick Start Guide) // Packaging box



# RUT956

## INDUSTRIAL CELLULAR ROUTER

RUT956 is an industrial router that combines cellular, Wi-Fi, and wired connectivity options with automatic WAN failover and GNSS capabilities. Serial communication interfaces enable integrating more varied devices into the solution ecosystem, while I/O and advanced RutOS software facilitate equipment control, automation, and event notifications.

### CONNECTIVITY

4G LTE (Cat 4), 3G, 2G

### DUAL SIM

With auto failover, backup WAN and other switching scenarios

### MULTIPLE INTERFACES

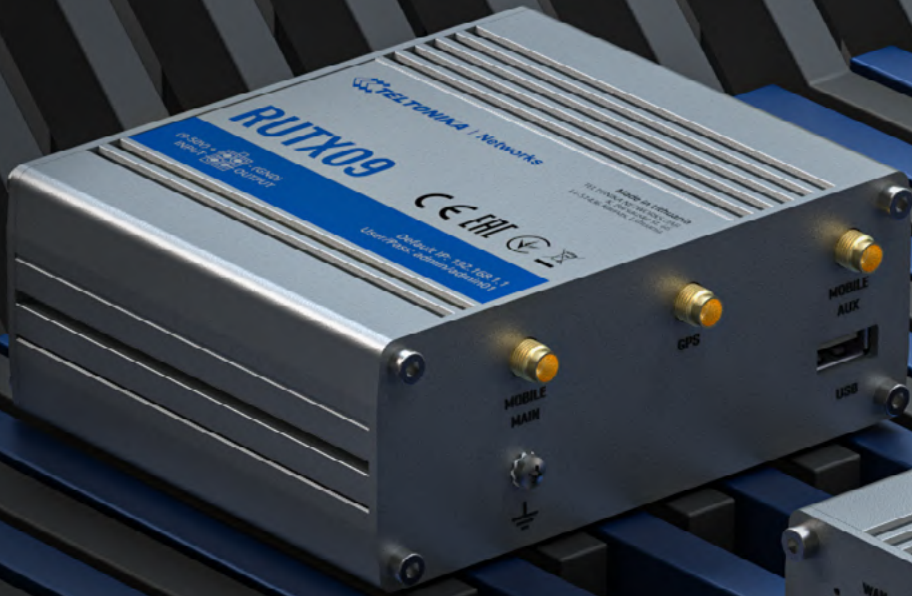
Ethernet, Serial (RS232, RS485) and multiple Inputs/Outputs for any industrial connectivity use case

### GNSS

Global Navigation Satellite System for location services and time synchronization

## STANDARD PACKAGE CONTAINS:

RUT956 // 9 W PSU // 2 x LTE antennas (magnetic mount, SMA male, 3 m cable) // 2 x WiFi antennas (magnetic mount, RP-SMA male, 1.5 m cable) // GNSS antenna (adhesive, SMA male, 3 m cable) // RS485 connector block // I/O connector block // Ethernet cable (1.5 m) // SIM Adapter kit // QSG (Quick Start Guide) // Packaging box



# RUTX09

## INDUSTRIAL CELLULAR ROUTER

RUTX09 is an LTE-A Cat 6 cellular IoT router with dual-SIM, Carrier Aggregation, and four Gigabit Ethernet interfaces. Designed as a primary or backup internet source, it can offer up to 300 Mbps cellular speeds, with high data throughput.

### 4G LTE CAT 6

Cellular speeds up to 300Mbps with Carrier Aggregation

### DUAL SIM

With auto failover, backup WAN and other switching scenarios

### GIGABIT ETH

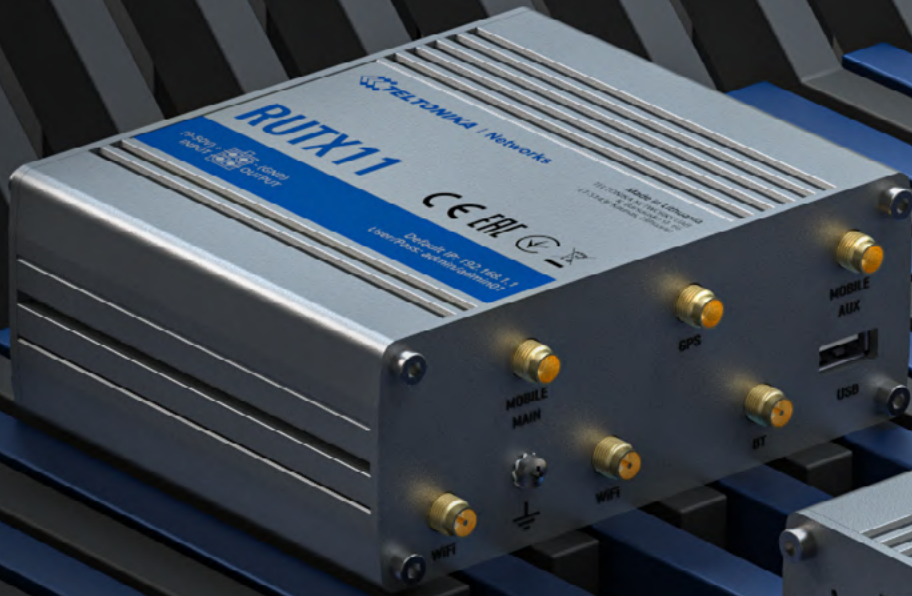
4 x Gigabit Ethernet ports with up to 128 port/tag-based VLANs supported

### GNSS

Global Navigation Satellite System for location services and time synchronization

## STANDARD PACKAGE CONTAINS:

RUTX09 // 18 W PSU // 2 x LTE antennas (swivel, SMA male) // 1 x GNSS antenna (adhesive, SMA male, 3 m cable) // SIM Adapter kit // Ethernet cable (1.5 m) // RMS Flyer // QSG (Quick Start Guide) // Packaging box



# RUTX11

## INDUSTRIAL CELLULAR ROUTER

This powerful LTE Cat 6 cellular industrial router is designed for professional applications requiring reliable, fast connection and high data throughput. It is equipped with four Gigabit Ethernet ports, AC Wi-Fi, Bluetooth LE, and comes with remote management capabilities of RMS.

### 4G LTE CAT 6

Cellular speeds up to 300Mbps with Carrier Aggregation

### DUAL SIM

With auto failover, backup WAN and other switching scenarios

### WI-FI & BT

Wave-2 802.11ac Dual Band WIFI and Bluetooth LE

### GIGABIT ETH

4 x Gigabit Ethernet ports with up to 128 port/tag-based VLANs supported

## STANDARD PACKAGE CONTAINS:

RUTX11 // 18 W PSU // 2 x LTE antennas (swivel, SMA male) // 2 x WiFi antennas (swivel, RP-SMA male) // 1 x GNSS antenna (adhesive, SMA male, 3 m cable) // 1 x Bluetooth antenna (magnetic mount, RP-SMA male, 1.5 m cable) // SIM Adapter kit // Ethernet cable (1.5 m) // RMS Flyer // QSG (Quick Start Guide) // Packaging box



# RUTX12

## DUAL LTE CAT 6 INDUSTRIAL CELLULAR ROUTER

This powerful dual LTE Cat 6 router is a great fit for mission-critical applications. Two cellular modems for dual simultaneous connections, seamless mobile service switching and load balancing features make this device irreplaceable in applications where losing connection is not an option.

### DUAL LTE

Cellular speeds up to 600Mbps with dual simultaneous LTE CAT 6 connections

### DUAL SIM

Instant failover switching

### WI-FI & BT

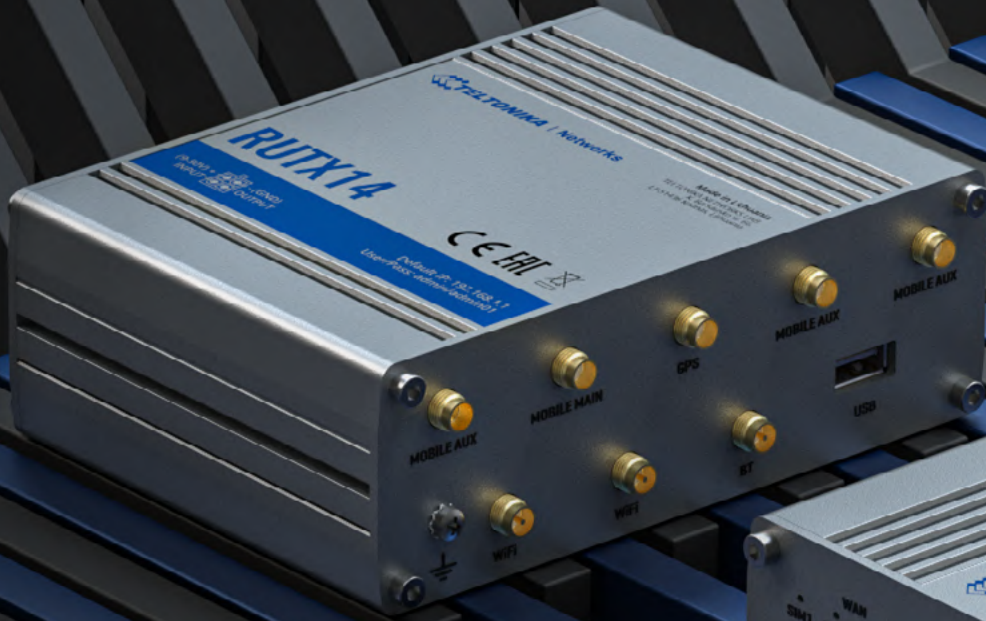
Wave-2 802.11ac Dual Band WIFI and Bluetooth LE

### LOAD BALANCING

Allows to use multiple WAN sources to increase throughput

## STANDARD PACKAGE CONTAINS:

RUTX12 // 24 W PSU // 4 x LTE antennas (swivel, SMA male) // 2 x WiFi antennas (magnetic mount, RP-SMA male, 1.5 m cable) // 1 x GNSS antenna (adhesive, SMA male, 3 m cable) // 1 x Bluetooth antenna (magnetic mount, RP-SMA male, 1.5 m cable) // SIM Adapter kit // Ethernet cable (1.5 m) // RMS Flyer // QSG (Quick Start Guide) // Packaging box



# RUTX14

## 4G LTE CAT 12 INDUSTRIAL CELLULAR ROUTER

RUTX14 is the fastest single modem LTE-A Cat 12 router in the Teltonika Networks product range. With two SIM cards, Wave-2 dual-band Wi-Fi, five Gigabit Ethernet ports, and automatic failover, you may expect high compatibility, unbeatable network resilience, and exceptional speed.

### 4G LTE CAT12

Incredible download & upload speeds with carrier aggregation (up to 600 Mbps / 150 Mbps respectively)

### DUAL SIM

With auto failover, backup WAN and other switching scenarios

### WI-FI & BT

Wave-2 802.11ac Dual Band WIFI and Bluetooth LE

### GIGABIT ETH

5 x Gigabit Ethernet ports with up to 128 port/tag-based VLANs supported

## STANDARD PACKAGE CONTAINS:

RUTX14 // 24 W PSU // 4 x LTE antennas (swivel, SMA male) // 2 x WiFi antennas (magnetic mount, RP-SMA male, 1.5 m cable) // 1 x GNSS antenna (adhesive, SMA male, 3 m cable) // 1 x Bluetooth antenna (magnetic mount, RP-SMA male, 1.5 m cable) // SIM Adapter kit // Ethernet cable (1.5 m) // RMS Flyer // QSG (Quick Start Guide) // Packaging box



# RUTXR1

## ENTERPRISE SFP/LTE RACK MOUNT READY ROUTER

The first rack-mountable LTE Cat 6 router in the Teltonika Networks portfolio comes with redundant power supplies, WAN failover, dual-SIM, SFP, USB, and dedicated console ports. This feature-rich device with highly customizable and powerful RutOS is perfect where a fast and ultra-reliable connection is needed.

### 4G LTE CAT 6

Cellular speeds up to 300Mbps with Carrier Aggregation

### SFP

SFP port for long-range Fiber-optic communication

### WI-FI

Wave-2 802.11ac Dual Band WIFI

### DUAL POWER

Dual Power supply compatibility ensures uninterrupted service

## STANDARD PACKAGE CONTAINS:

RUTXR1 // 18 W PSU // 2 x LTE antennas (magnetic mount, SMA male, 3 m cable) // 2 x WiFi antennas (magnetic mount, RP-SMA male, 1.5 m cable) // 1 Rack - mounting kit // 4 x Standing pads // 8 x Screws // SIM Adapter kit // Ethernet cable (1.5 m) // RMS Flyer // QSG (Quick Start Guide) // Packaging box



# TCR100

## 4G Wi-Fi ROUTER FOR HOME USER

Extensive industrial IoT experience brought to our home users. This LTE-A Cat 6 router also offers dual-band Wi-Fi and two Ethernet ports to connect devices. Featuring Wi-Fi and Wi-Fi Protected buttons for quick setup, this router is simple to use yet enables high customizability for advanced users with RutOS.

### 4G LTE-ADVANCED

LTE CAT6 enables cellular speeds up to 300Mbps with carrier aggregation

### WI-FI

Dual-Band with 2.4 GHz & 5.0 GHz frequencies

### SECURE

Firewall and numerous VPN services including OpenVPN, IPsec, PPTP, L2TP & DMVPN

### RUTOS

Powerful OS with intuitive UI based on OpenWrt empowers endless configuration possibilities.

## STANDARD PACKAGE CONTAINS:

TCR100 // 18 W PSU // 2 x LTE antennas (swivel, SMA male) // SIM Adapter kit // Ethernet cable (1.5 m) // RMS Flyer // QSG (Quick Start Guide) // Packaging box



# SAFE AND SIMPLE TO SET UP HOME NETWORK WITH TCR100



// SMART CITY

Our households continue transforming into living and breathing technological ecosystems as more smart devices enter our lives. You may have an automated conditioning system that only turns on at certain times to save energy or turn on your robot vacuum cleaner while at work. That is no longer science fiction but a current-day reality.

## SOLUTION

With the first-ever consumer router from Teltonika Networks, you get a user-friendly solution for setting up your home connectivity. Even in remote areas, you can enjoy stable internet, as TCR100 offers 4G cellular connectivity without compromising your speed. It is a perfect choice, even when a wired connection is impossible.

In this use case, two Ethernet ports accommodate a smart TV and an NVR that stores video feed from connected IP cameras. The rest of the devices like a smart fridge, laptop, AC, and alarm systems connect to the network wirelessly. The data from connected equipment can be helpful to optimize your IoT setup. Unlike standard home routers, the TCR100 can support over 50 devices simultaneously, thanks to the applied know-how from the industrial sector.

TCR100 is easy to set up. It features Wi-Fi and Wi-Fi Protected buttons for wireless network access within a click. Besides, a user-friendly WebUI provides rich customization options, a pre-configured firewall, and guest Wi-Fi to ensure the security of your home network. On top of that, periodical firmware updates eliminate vulnerabilities and bring new functionality.

## BENEFITS

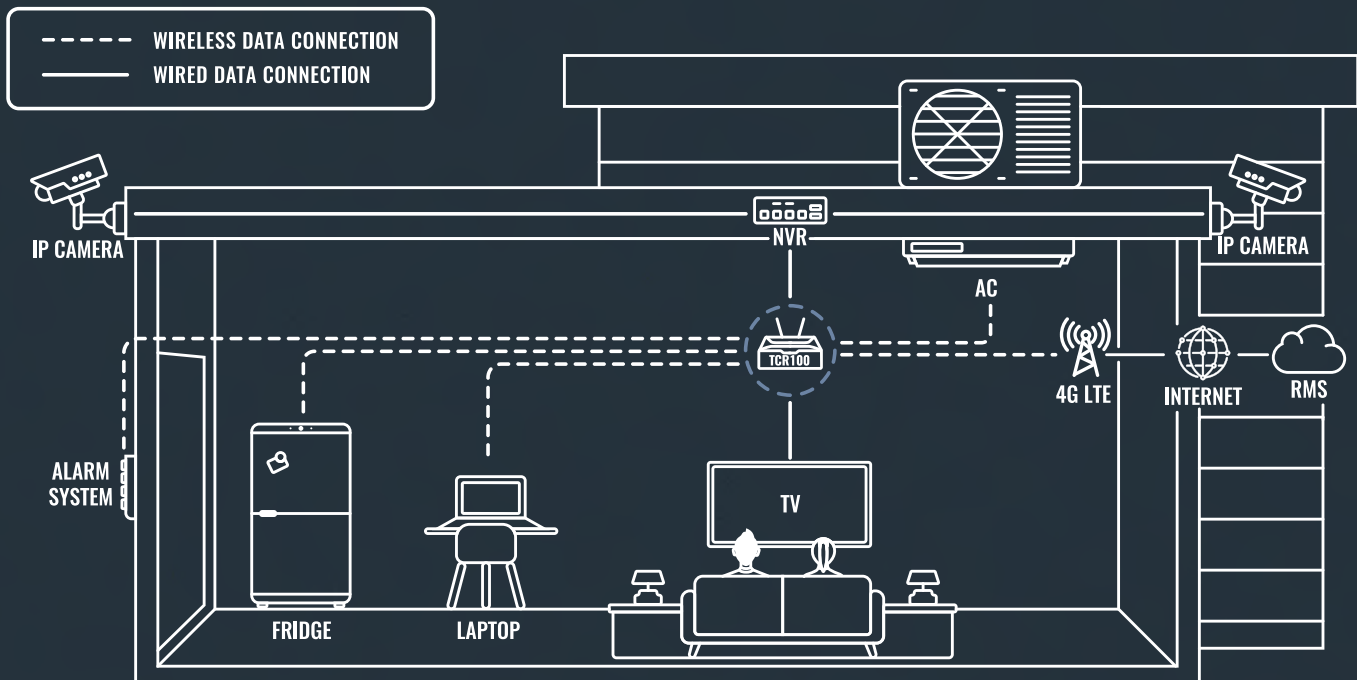
/4G Cat6 technology and Dual-band Wi-Fi offer excellent wireless performance for all connected devices, even in remote locations.

/RutOS is friendly for newcomers yet full of customization possibilities for advanced users.

/TCR100 is simple to set up, even for beginners.

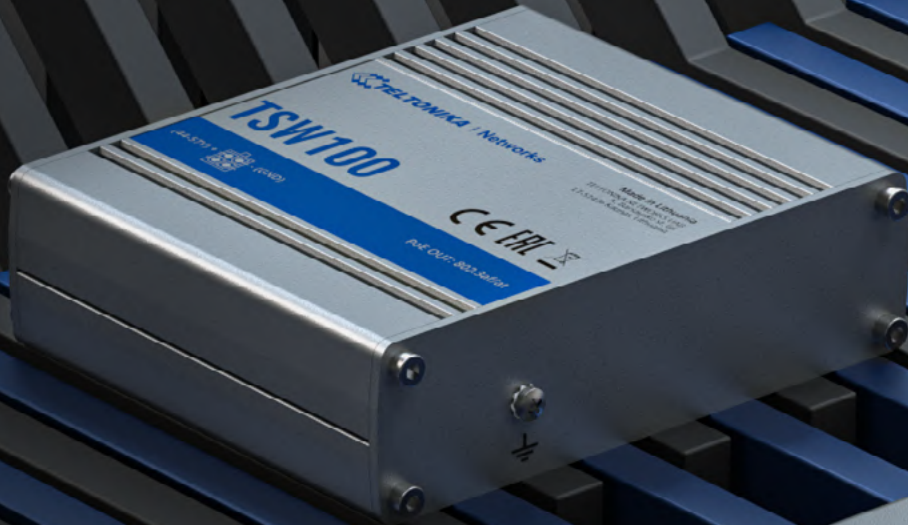
/This model has Wi-Fi and Wi-Fi Protected buttons for easy wireless network access.

/TCR100 receives periodical firmware downloads, bringing enhanced security and new features to your home router.





# **ETHERNET & WIRELESS**



# TSW100

## INDUSTRIAL UNMANAGED POE+ SWITCH

TSW100 is an unmanaged Gigabit Ethernet switch supporting Power-over-Ethernet. Classified as power source equipment (PSE), it centralizes the power supply, providing up to 30 watts per port and reducing installation effort. Five Gigabit Ethernet ports provide an economical high-bandwidth solution for a secure industrial Ethernet network.

### PoE

4 x PoE ports with 802.3af and 802.3at support

### POWER BUDGET

Total power budget at PSE up to 120 W

### ETHERNET

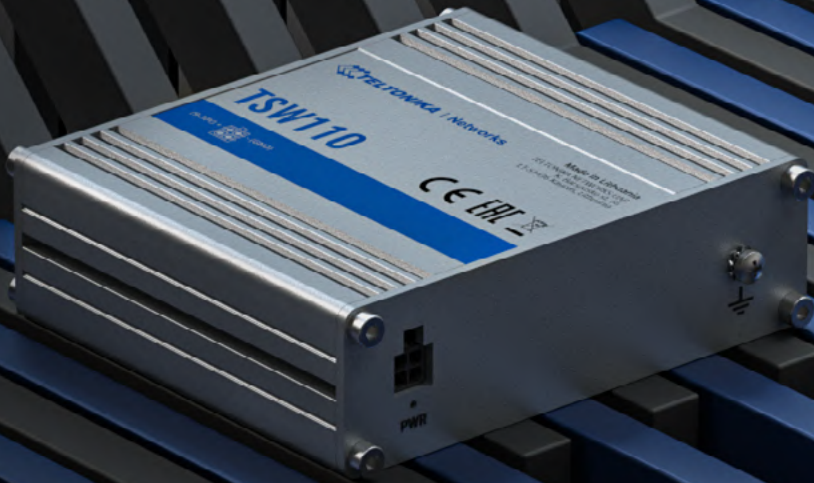
5 x Gigabit Ethernet with speeds up to 1000 Mbps

### MOUNTING

DIN rail and surface mounting options

## STANDARD PACKAGE CONTAINS:

TSW100 // 65 W PSU // QSG (Quick Start Guide) // Packaging box



# TSW110

## L2 UNMANAGED SWITCH

TSW110 is an unmanaged layer 2 switch. This tiny but rugged professional device enables industrial high bandwidth applications with a reliable data connection. It has five Gigabit Ethernet ports to connect equipment to the network and supports wide power supply voltages (9-30 V).

## GIGABIT ETH

5 x Gigabit Ethernet with speeds up to 1000 Mbps

## DURABILITY

Rugged aluminum housing

## MOUNTING

DIN rail and surface mounting options

## TEMPERATURE

Operating temperature -40 °C to 75 °C

## STANDARD PACKAGE CONTAINS:

TSW110 // 9 W PSU // QSG (Quick Start Guide) // Packaging box

# REMOTELY MANAGED SURVEILLANCE SOLUTION FOR LOGISTICS CENTER



## // SMART CITY

According to Statista, the overland freight movement market is worth 791.7 billion in the US alone. When the truck is parked, cargo safety remains crucial on the road. Naturally, such a task requires a high-tech solution.

### SOLUTION

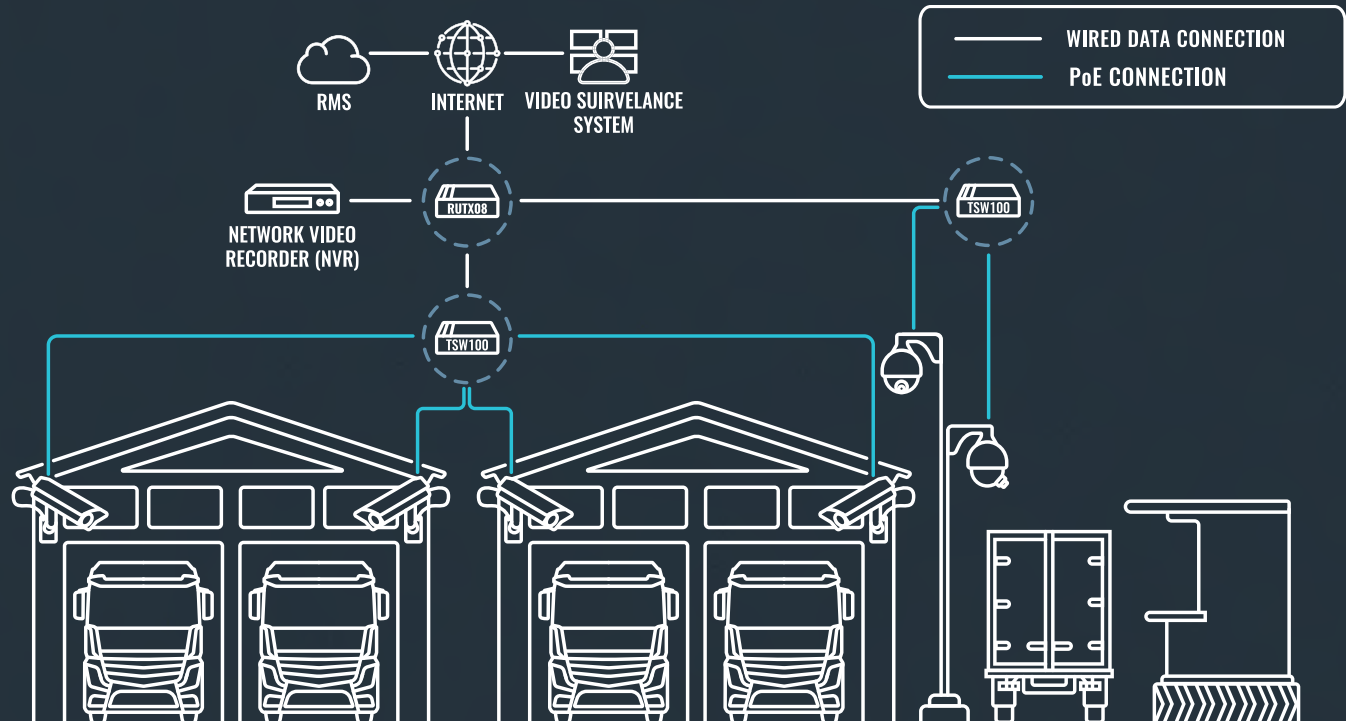
RUTX08 industrial Ethernet router acts as a central component in the whole setup. It links the TSW100 switches into a single network and connects an NVR, which stores all the video streams from the cameras. RUTX08 acts as the main gateway between the user, the internet, and the surveillance system.

Naturally, the cameras require internet and electricity to keep running, so the TSW100 industrial PoE+ switch was a perfect fit. TSW100 provides both through the same connection. Four PoE ports accommodate CCTV cameras that monitor the parking space availability and track activity in the parking lot at any time.

Besides, the TSW100 can manage a more advanced PTZ camera with up to 30 W per Ethernet port. Combined with RMS and RUTX08, you may enjoy an entirely remotely controlled solution with an option of accessing each of the PTZ cameras' WebUI and recording automatic movement tracking. It is even more convenient when multiple devices are located across different parking sites, as you may manage them all under one user-friendly interface.

### BENEFITS

- /Easy set up with a plug-and-play TSW100 switch without any additional configurations.
- /RUTX08 features Gigabit Ethernet for uncompromised high-speed video data transfer.
- /RUTX08 is compatible with the Teltonika Remote Management System for controlling multiple camera settings without traveling to the physical location.





# RUT300

## INDUSTRIAL ETHERNET ROUTER

Rugged industrial fast Ethernet router comes with the benefits of RutOS, advanced security features, and a possibility to connect to the RMS. Five fast Ethernet ports, two configurable digital inputs/outputs, and a USB 2.0 allow to easily connect industrial machinery, office or retail equipment, and other devices to the internet.

## INTERFACES

5 x Fast Ethernet ports (10/100 Mbps), 2 x Configurable digital Inputs/Outputs and USB 2.0

## DURABILITY

Rugged aluminum housing capable to withstand harsh environments

## VPN

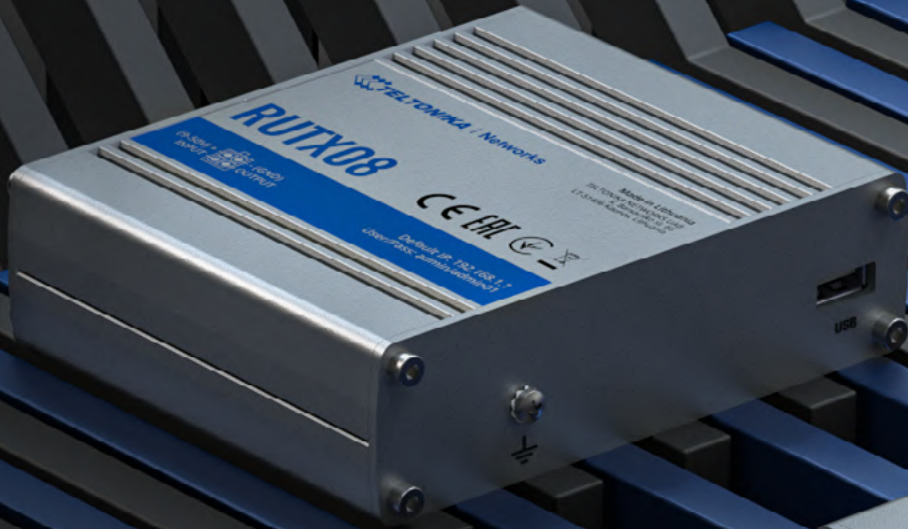
Numerous VPN services including OpenVPN, IPsec, PPTP, L2TP & DMVPN, L2TP, DMVPN,

## RMS

For remote management, access & VPN services

## STANDARD PACKAGE CONTAINS:

RUT300 // 9 W PSU // Ethernet cable (1.5 m) // RMS Flyer // QSG (Quick Start Guide) // Packaging box



# RUTX08

## INDUSTRIAL ETHERNET ROUTER

This robust industrial router has four Gigabit Ethernet ports, a Quad-Core CPU, and 256 MB RAM. These powerful specifications combined with core RutOS software features, such as multiple VPN services, advanced Firewall, and RMS support, make this device a superb industrial performer.

### GIGABIT ETH

4 x Gigabit Ethernet ports with up to 128 port/tag-based VLANs supported

### VPN

Numerous VPN Protocols supported, including OpenVPN, IPsec, PPTP, L2TP & DMVPN

### PROTOCOLS

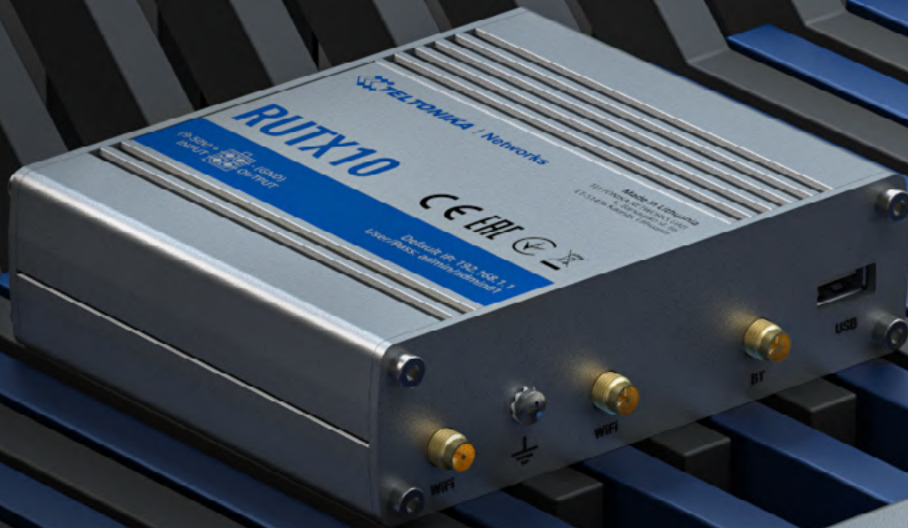
Compatible with industrial DNP3 & Modbus communication protocols

### RMS

For remote management, access & VPN services

## STANDARD PACKAGE CONTAINS:

RUTX08 // 9 W PSU // Ethernet cable (1.5 m) // RMS Flyer // QSG (Quick Start Guide) // Packaging box



# RUTX10

## PROFESSIONAL ETHERNET ROUTER

This professional router combines the best of wired and wireless routing functionalities with Gigabit Ethernet, Bluetooth LE, and AC Wi-Fi. Advanced remote management capabilities along with numerous supported security and networking protocols make RUTX10 an ideal choice for professional applications.

### GIGABIT ETH

4 x Gigabit Ethernet ports with up to 128 port/tag-based VLANs supported

### WI-FI & BT

Wave-2 802.11ac Dual Band WiFi and Bluetooth LE

### MULTIPLE VPNs

Numerous VPN Protocols supported, including OpenVPN, IPsec, PPTP, L2TP & DMVPN

### RMS

For remote management, access & VPN services

## STANDARD PACKAGE CONTAINS:

RUTX10 // 18 W PSU // 2 x WiFi antennas (swivel, RP-SMA male) // 1 x Bluetooth antenna (magnetic mount, RP-SMA male, 1.5 m cable) // Ethernet cable (1.5 m) // RMS Flyer // QSG (Quick Start Guide) // Packaging box



# MESH NETWORK ENABLING SMART FACTORY CONNECTIVITY



## // INDUSTRIAL & AUTOMATION

Industry 4.0 and the increasing scale of automation are revolutionizing manufacturing. With every developed innovative technology, less and less human interaction is required in the day-to-day operation of factories. The benefits of automation are multiple: it helps eliminate human errors, increase productivity, reduce costs and acquire valuable data for future optimization. And that is why the global industrial automation market is growing at an exponential rate, expecting to have surpassed 200 billion US dollars next year.

### SOLUTION

Factory connectivity solution requires professional rugged routers that can sustain the challenges of an industrial environment. Naturally, each device can only cover only a limited area with desirable signal strength. For this reason, multiple RUTX10 Ethernet routers were installed to enable a strong-enough Wi-Fi and ensure seamless operation of all the computers and machinery. While setting up one router does not take a lot of IT resources, configuring multiple to create a secure network can become a time and energy-consuming project. In such cases - creating a Wi-Fi Mesh network could be your best bet.

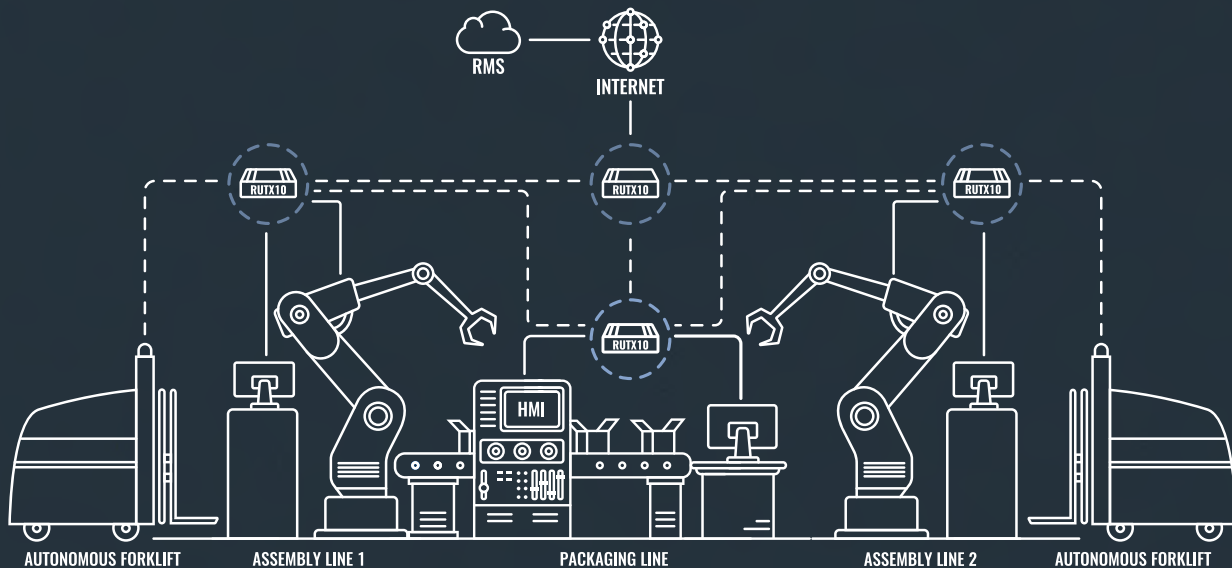
The 802.11s standard available in RutOS allows connecting various wireless equipment without setting up complicated infrastructure. Mesh Wi-Fi enables quick and easy configuration. All you need to do is configure one router and apply the same properties to the rest of the network via a user-friendly WebUI. Besides, if one node in the network

fails or disconnects, the Mesh network will self-heal and continue the route onto the next node until the issue is resolved. This way, the network continuity remains uninterrupted, and the processes may continue as they were.

Since the factory topology includes moving objects (like autonomous forklifts), this adds another challenge: they need a fast transition between one router and another. That is where 802.11r support (aka Fast Roaming) comes into the picture to save the day. With Fast Roaming, autonomous moving machines can travel around production facilities and seamlessly communicate, quickly switching among routers of the same network.

### BENEFITS

- /Equipped with Dual Band Wi-Fi 5 802.11ac, RUTX10 offers high data transmission and robust wireless performance.
- /Multiple supported protocols, including MQTT, Modbus, Bluetooth, DNP3, make this router suitable for industrial automation solutions.
- /The solution is easily scalable due to the simplicity of the Wi-Fi Mesh network configuration.
- /Advanced security features, like multiple VPN choices, Firewall, access control, and others, ensure the system runs uncompromised.
- /The solution can be remotely monitored and managed with Teltonika Networks Remote Management System (RMS).
- /Industrial aluminum casing of the router ensures that it sustains challenging environments and offers convenient mounting options.





# ETHERNET & WIRELESS DEVICES COMPARISON

Products key features	SWITCHES		ROUTERS		
	TSW100	TSW110	RUT300	RUTX08	RUTX10
CPU (MHz)			650	4x717	4x717
RAM (MB)			64	256	256
Flash memory (MB)			16	256	256
Passive PoE		•	•	•	•
PoE out	802.3af/at				
Power voltage (VDC)	7-57	9-30	7-30	9-50	9-50
Ethernet ports	5	5	5	4	4
Ethernet speed (Mbps)	1000	1000	100	1000	1000
WiFi standard					ac
Inputs/Outputs			2	2	2
Bluetooth					•
USB			Host	Host	Host
DIN Rail mounting	•	•	•	•	•
Flat surface mounting	•	•	•	•	•
Grounding terminal	•	•		•	•
RMS support			•	•	•
RutOS			•	•	•

# ACCESSORIES / ANTENNA OPTIONS



**COMBO MIMO mobile/GNSS/  
WiFi ROOF SMA antenna**  
Order code: PR1KCO28



**COMBO QUAD mobile/GNSS  
ROOF SMA antenna**  
Order code: PR1KCL28



**COMBO SISO mobile/GNSS/  
WiFi ROOF SMA antenna**  
Order code: PR1KCS28



**COMBO MIMO mobile  
ROOF SMA antenna**  
Order code: PR1KCL25



**Mobile magnetic SMA  
antenna**  
Order code: PR1KS210



**Mobile SMA antenna**  
Order code: PR1US440



**WiFi magnetic SMA antenna**  
Order code: PR1KRF30



**WiFi SMA antenna**  
Order code: PR1URF51



**Bluetooth magnetic SMA  
antenna**  
Order code: PR1KRT25



**GNSS Adhesive SMA  
antenna**  
Order code: PR1KSG30



**Mobile adhesive sma  
antenna**  
Order code: PR1AS420



**WiFi dual-band SMA  
antenna**  
Order code: PR14RD35



**WiFi dual-band magnetic  
antenna**  
Order code: PR1KRD30



**Angled Compact Mobile  
antenna**  
Order code: PR1US450



**Straight Compact Mobile  
antenna**  
Order code: PR1CS450

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<https://community.teltonika.lt/>



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