

# PRODUCT CATALOG

2023



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# WHO WE ARE?

31 OFFICES  
IN 21 COUNTRIES

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.

## 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.

## 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.

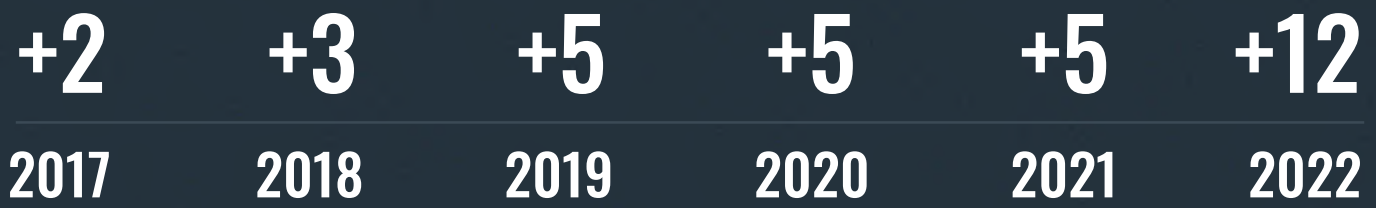
25  
YEARS  
OF IoT  
BUSINESS

# WHAT WE OFFER?

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.

## GROWING PORTFOLIO



## RELIABLE

We have long-standing experience manufacturing industrial devices that can withstand the most rigorous environments and offer connection continuity with multiple backup scenarios.

## SECURE

We assure the highest level of security for all Teltonika Networks products by performing regular safety tests and releasing periodical firmware updates to eliminate any risks of breaches.

## EASY TO USE

Industrial Teltonika Networks devices are designed mainly for professional applications, yet they are still easy to use. Offering products that do not require any special training is one of our strengths.



# 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 Molėtai, Lithuania. Full control over our production allows us to ensure that we deliver only the best and most reliable devices.

**8 MODERN  
SMT LINES**

**100+ ROBOTS FOR  
AUTOMATION**

**500K MONTHLY  
MANUFACTURING CAPACITY**

# FROM CONCEPT TO THE FINISHED PRODUCT

## EXPERIENCE

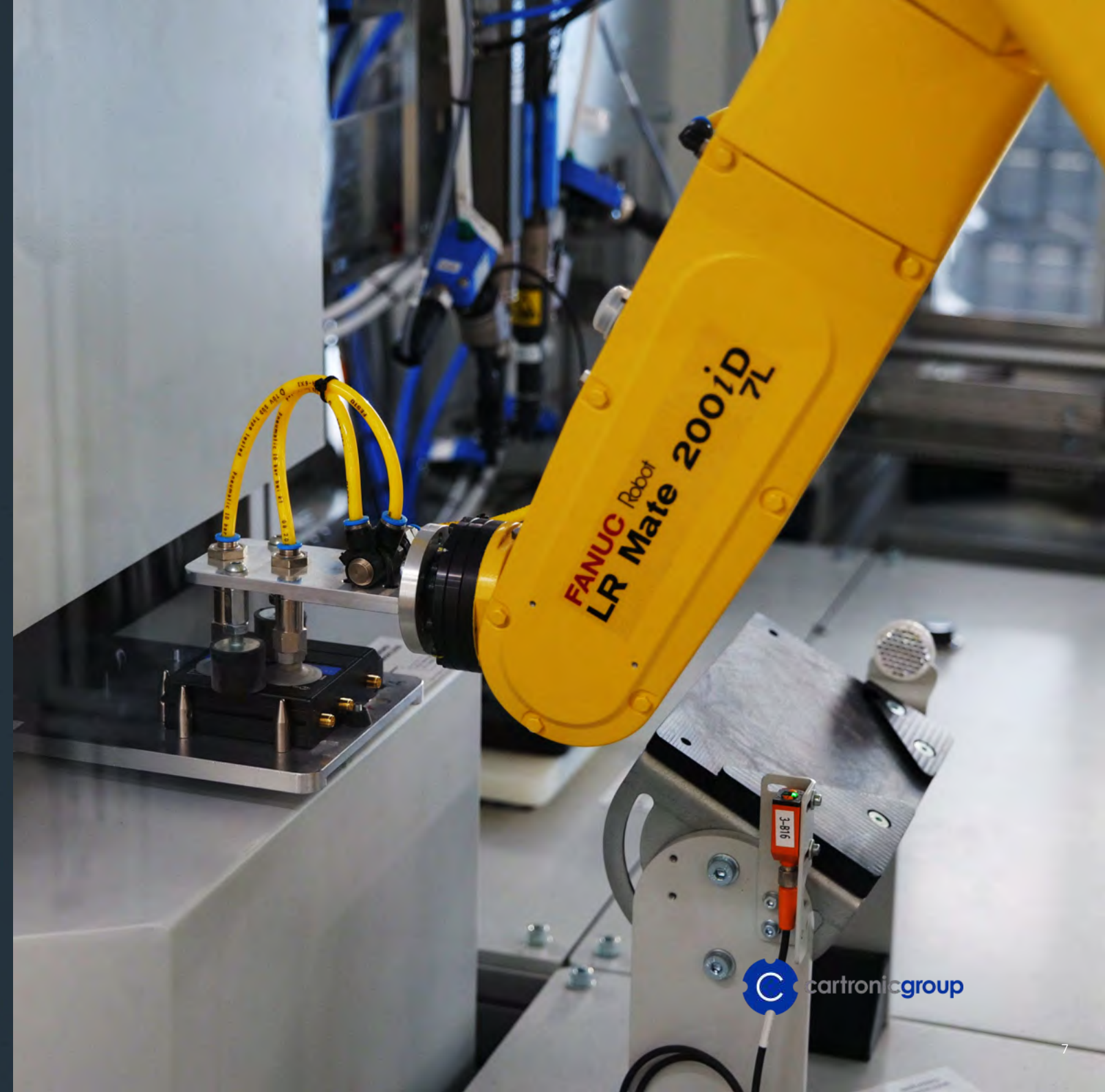
For more than 25 years we have been providing reliable Industrial IoT & M2M connectivity solutions that are secure and easy to use.

## 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.





# RutOS

OpenWrt-based Linux OS designed for engineer ease of use, customizability, and efficient workflow.

## RELIABLE

Enhanced uninterrupted connectivity and protocol support for your IoT needs

## SECURE

Full of security features and failsafes to ensure maximum device and network security

## EASY TO USE

Streamlined and customizable UX for simple yet comprehensive management

### MOBILE

Mobile modes	Bridge, Passthrough, NAT
Mobile features	Auto SIM switching, SMS & Call control, SMS relays
Mobile communication control	Operator whitelist and blacklist, band lock, auto APN, multiple PDNs, USSD

### WIRELESS

Wireless modes	HotSpot, access point (AP), station (STA), wireless mesh (802.11s), fast roaming (802.11r)
Wireless security	WPA3-EAP, WPA3-SAE, WPA2-Enterprise-PEAP, WPA2-PSK, WEP, AES-CCMP, TKIP, auto cipher modes, client separation

### NETWORK

Connection monitoring	Ping reboot, Wget reboot, periodic reboot, LCP and ICMP for link inspection
Networking	WAN failover, load balancing, DDNS, QoS, VLANs, DHCP, VRRP
Routing	Static routing, dynamic routing (BGP, OSPF v2, RIP v1/v2, EIGRP, NHRP), routing rules

### SECURITY

Security basics	Preconfigured and customizable firewall, web filtering, DMZ, user control
VPN and tunneling	OpenVPN, IPsec, L2TPV3, DMVPN, ZeroTier, WireGuard and many others
Authentication	Pre-shared key, digital certificates, X.509 certificates, TACACS+

### SERVICES

Time sync services	NTP (server, client), GNSS, Mobile operator.
Other services	I/O control, location services, WoL
Industrial protocols	Modbus, BACnet, DNP3, M-Bus, OPC UA
Communication & monitoring	JSON-RPC, MQTT (broker, publisher, subscriber, Azure MQTT, Kinesis), SNMP, SSH, TR-069, WEB UI, CLI
Serial modes	Console, serial over IP, modem, Modbus gateway, NTRIP
USB services	Samba share, USB-to-serial, storage memory expansion, printer server, DLNA
Time sync services	GNSS, NTP (server, client), mobile operator
3rd party cloud support	Azure IoT Hub, AWS IoT Greengrass, Cloud of Things, Cumulocity, ThingWorx

### CUSTOMIZATION

RutOS developed on	OpenWrt based Linux OS
Supported languages	Busybox shell, Lua, C, C++, Python
Development tools	Software development kit with a build environment
OS languages	English, German, Spanish, Portuguese, Japanese, Turkish

Please note this table is an overview of RutOS features and does not take into account individual device hardware incompatibilities with any given feature.





# RMS

## REMOTE MANAGEMENT SYSTEM

User-friendly platform for remotely accessing and controlling your fleet of devices, tailor-made to meet your remote IoT solution needs.

### ACCESS

Easy remote access to your devices – no public IP needed

### UNITE

Unified platform with multitenancy capabilities

### CUSTOMIZE

Adaptable interface and functionality to best fit your needs

### INTEGRATE

API support for integrating RMS into your solution



## TRY RMS FOR FREE

Explore the full potential of RMS with a **30-day trial!**

## MANAGEMENT

Gain complete and secure control over your fleet of Teltonika Networks routers and gateways – no public IP needed. Enjoy the flexibility of remote updates, monitoring, and enhanced configuration of your connectivity device ecosystem.

Protocol	MQTT
Security & encryption	TLS 1.2 X.509
Remote access & control	WebUI, SSH, Task Manager
Periodic backup	Daily, weekly, monthly
Alerts	Signal strength, status change, mobile data, geofencing
Reporting	On demand, periodic
Configuration	Single or bulk parameters configuration, download existing configuration, configuration templates

## VPN

Secure your entire remote infrastructure quickly and easily with robust VPN connections – no extra protocols or servers needed. We'll take care of the complex configurations in the background.

Protocol	OpenVPN
Connection type	Layer 3
Cryptographic key	RSA 2048 bits
Data encryption	AES-256-GCM
VPN client	RMS VPN Hub, Quick Connect, VPN routing, VPN data usage graph
VPN client supported OS	Windows, Android, iOS, macOS, iPadOS

## CONNECT

Reach and remotely control your end devices connected to an RMS-compatible device. Using supported protocols, access to your industrial PC, CCTV camera, POS system or other intelligent device anywhere in the world is only a few clicks away.

Tunnelling protocol	SSH
Encryption	AES with 256-bit key
Supported protocols	HTTP(S), SSH, Telnet, SFTP, VNC, RDP, WebRTC
Remote device detection	IP detection and default service availability checking
Authentication	Network level, in-device



TRIED & TESTED

Millions of units deployed worldwide

BESTSELLER

All-time star of LTE Cat 4 connectivity

MAXIMIZED VALUE

Perfect mix of interfaces, performance, and pricing



# RUT2 & RUT3 SERIES

RUT200 // RUT240 // RUT241 // RUT360



## RUT200

INDUSTRIAL CELLULAR ROUTER

**Mobile**  
4G/LTE (Cat 4), 3G, 2G

**Flash Memory & RAM**  
16 MB Flash, 128 MB RAM

**Powering option**  
4-pin power socket, 9-30 VDC

**Ethernet**  
2 x 10/100 Mbps Ethernet ports:  
1 x WAN (configurable as LAN),  
1 x LAN

**Wi-Fi**  
IEEE 802.11b/g/n, Access point (AP),  
Station (STA)

**Interfaces**  
On 4-pin socket: 1 x Digital input,  
1 x Digital open collector output

**Housing & Mounting**  
Aluminum housing, plastic panels  
with DIN rail mounting option

**Measurements & Weight**  
83 x 25 x 74 mm, 125 g



## RUT240 <sup>EOL</sup>

INDUSTRIAL CELLULAR ROUTER

**Mobile**  
4G/LTE (Cat 4), 3G, 2G

**Flash Memory & RAM**  
16 MB Flash, 64 MB RAM

**Powering option**  
4-pin power socket, 9-30 VDC

**Ethernet**  
2 x 10/100 Mbps Ethernet ports:  
1 x WAN (configurable as LAN),  
1 x LAN

**Wi-Fi**  
IEEE 802.11b/g/n, Access point (AP),  
Station (STA)

**Interfaces**  
On 4-pin socket: 1 x Digital input,  
1 x Digital open collector output

**Housing & Mounting**  
Aluminum housing, plastic panels  
with DIN rail mounting option

**Measurements & Weight**  
83 x 25 x 74 mm, 125 g



## RUT241

INDUSTRIAL CELLULAR ROUTER

**Mobile**  
4G/LTE (Cat 4), 3G, 2G

**Flash Memory & RAM**  
16 MB Flash, 128 MB RAM

**Powering option**  
4-pin power socket, 9-30 VDC

**Ethernet**  
2 x 10/100 Mbps Ethernet ports:  
1 x WAN (configurable as LAN),  
1 x LAN

**Wi-Fi**  
IEEE 802.11b/g/n, Access point (AP),  
Station (STA)

**Interfaces**  
On 4-pin socket: 1 x Digital input,  
1 x Digital open collector output

**Housing & Mounting**  
Aluminum housing, plastic panels  
with DIN rail mounting option

**Measurements & Weight**  
83 x 25 x 74 mm, 125 g





# RUT360

LTE CAT6 INDUSTRIAL CELLULAR ROUTER

- Mobile**  
4G/LTE (Cat 6), 3G
- Flash Memory & RAM**  
16 MB Flash, 128 MB RAM
- Powering option**  
4-pin power socket, 9-30 VDC
- Ethernet**  
2 x 10/100 Mbps Ethernet ports:  
1 x WAN (configurable as LAN),  
1 x LAN
- Wi-Fi**  
IEEE 802.11b/g/n, Access point (AP),  
Station (STA)
- Interfaces**  
On 4-pin socket: 1 x Digital input,  
1 x Digital open collector output
- Housing & Mounting**  
Aluminum housing with DIN rail  
mounting option
- Measurements & Weight**  
100 x 30 x 85 mm, 247 g



# CUSTOM PRODUCTS

All IoT & M2M projects are unique. If your solution requires an entirely-custom product, we're up to the challenge and here to help.

Our R&D team and in-house manufacturing give us full control of the custom product process, from concept to production, with maximum flexibility for large-scale projects.

Let's make your dream device a reality!







# RUT9 SERIES

RUT901 // RUT950 // RUT951 // RUT955 // RUT956

**FLEXIBLE**

More Ethernet ports for extra scalability

**HIGH-PERFORMANCE**

Reliable, high-throughput LTE Cat 4 for industrial applications

**FAIL-SAFE CONNECTION**

Dual SIM with auto-failover and backup WAN



## RUT901

INDUSTRIAL CELLULAR ROUTER

**Mobile**  
4G/LTE (Cat 4), 3G, 2G

**Flash Memory & RAM**  
16 MB Flash, 128 MB RAM

**Powering option**  
4-pin power socket, 9-30 VDC

**Ethernet**  
4 x 10/100 Mbps Ethernet ports:  
1 x WAN (configurable as LAN),  
3 x LAN

**Wi-Fi**  
IEEE 802.11b/g/n, Access point (AP),  
Station (STA)

**Interfaces**  
On 4-pin socket: 1 x Digital input,  
1 x Digital open collector output

**Housing & Mounting**  
Aluminum housing with DIN rail  
mounting option, plastic panels with  
flat mounting option

**Measurements & Weight**  
110 x 50 x 100 mm, 297 g



## RUT950 <sup>EOL</sup>

INDUSTRIAL CELLULAR ROUTER

**Mobile**  
4G/LTE (Cat 4), 3G, 2G

**Flash Memory & RAM**  
16 MB Flash, 128 MB RAM

**Powering option**  
4-pin power socket, 9-30 VDC

**Ethernet**  
4 x 10/100 Mbps Ethernet ports:  
1 x WAN (configurable as LAN),  
3 x LAN

**Wi-Fi**  
IEEE 802.11b/g/n, Access point (AP),  
Station (STA)

**Interfaces**  
On 4-pin socket: 1 x Digital input,  
1 x Digital open collector output

**Housing & Mounting**  
Aluminum housing with DIN rail  
mounting option, plastic panels with  
flat mounting option

**Measurements & Weight**  
110 x 50 x 100 mm, 280 g



## RUT951

INDUSTRIAL CELLULAR ROUTER

**Mobile**  
4G/LTE (Cat 4), 3G, 2G

**Flash Memory & RAM**  
16 MB Flash, 128 MB RAM

**Powering option**  
4-pin power socket, 9-30 VDC

**Ethernet**  
4 x 10/100 Mbps Ethernet ports:  
1 x WAN (configurable as LAN),  
3 x LAN

**Wi-Fi**  
IEEE 802.11b/g/n, Access point (AP),  
Station (STA)

**Interfaces**  
On 4-pin socket: 1 x Digital input,  
1 x Digital open collector output

**Housing & Mounting**  
Aluminum housing with DIN rail  
mounting option, plastic panels with  
flat mounting option

**Measurements & Weight**  
110 x 50 x 100 mm, 287 g



ROUTERS



RUT955 EOL

INDUSTRIAL CELLULAR ROUTER

**Mobile**  
4G/LTE (Cat 4), 3G, 2G

**Flash Memory & RAM**  
16 MB Flash, 128 MB RAM

**Powering option**  
4-pin power socket, 9-30 VDC

**Ethernet**  
4 x 10/100 Mbps Ethernet ports:  
1 x WAN (configurable as LAN),  
3 x LAN

**Wi-Fi**  
IEEE 802.11b/g/n, Access point (AP),  
Station (STA)

**Interfaces**  
1 x RS232; 1 x RS485; 1 x USB host;  
1 x MicroSD; On 4-pin socket:  
1 x Digital input, 1 x Digital open  
collector output; On 10-pin socket:  
1 x Isolated digital input, 1 x Digital  
dry input, 1 x Analog input,  
1 x Isolated open collector output  
(requires external voltage), 1 x Relay  
output (non-latching); GNSS

**Housing & Mounting**  
Aluminum housing with DIN rail  
mounting option, plastic panels with  
flat mounting option

**Measurements & Weight**  
110 x 50 x 100 mm, 287 g



RUT956

INDUSTRIAL CELLULAR ROUTER

**Mobile**  
4G/LTE (Cat 4), 3G, 2G

**Flash Memory & RAM**  
16 MB Flash, 128 MB RAM

**Powering option**  
4-pin power socket, 9-30 VDC

**Ethernet**  
4 x 10/100 Mbps Ethernet ports:  
1 x WAN (configurable as LAN),  
3 x LAN

**Wi-Fi**  
IEEE 802.11b/g/n, Access point (AP),  
Station (STA)

**Interfaces**  
1 x RS232; 1 x RS485; 1 x USB host;  
On 4-pin socket: 1 x Digital input,  
1 x Digital open collector output;  
On 10-pin socket: 1 x Isolated digital  
input, 1 x Digital dry input, 1 x Analog  
input, 1 x Isolated open collector  
output (requires external voltage),  
1 x Relay output (non-latching); GNSS

**Housing & Mounting**  
Aluminum housing with DIN rail  
mounting option, plastic panels with  
flat mounting option

**Measurements & Weight**  
110 x 50 x 100 mm, 287 g

SO MANY DEVICES EVEN MORE USE CASES



LOOK AT OUR USE CASE CATALOG



**// CHALLENGE**  
Ben-metal parts are needed everywhere, but the current manufacturing processes make it really expensive to produce them. The machinery is mainly single-purpose and cannot be adapted to change the parameters. As the demand increases for different bent metal parts, and construction the factories cannot meet their supply. Usually, it is not a sound financial solution to order custom new machines as the return on investment goes comparatively low and takes a lot of time.

Frequently in assembly lines and factories, many different types of machinery need to be interconnected. This means that old and new hardware need an all-encompassing solution which can be expensive for custom mechanical interfaces. Moreover, the setup requires a lot of the apparatus.

**// SOLUTION**  
The essentials that Robobend was looking for in their IoT solution were reliable and security. They found all that covered by Teltonika Networks Probitos — 100% for the entire solution. Robobend uses remote commission through 4G/LTE to main robot cell. It also lets the company connect to factory setups and get data from the devices.

In this solution the main robot, Robobend coupler and main cell coupler TSW100 industrial PoE switch, as stated by the client, the TSW100 case is a breeze to set up and use, which is essential for factory functionality.

WHAT ABOUT YOURS?




SHARE YOUR SOLUTION WITH US



**UNINTERRUPTED CONNECTIVITY**  
Dual SIM with auto-failover and backup WAN

**POWER PLAYER**  
Uncompromising high-speed connectivity for data-heavy applications

**VERSATILE**  
Multiple interfaces, protocols, and critical security features



# RUTX SERIES

RUTX09 // RUTX11 // RUTX12 // RUTX14 // RUTXR1 // RUTX50



**RUTX09**  
INDUSTRIAL CELLULAR ROUTER

- Mobile**  
4G/LTE (Cat 6), 3G
- Flash Memory & RAM**  
256 MB Flash, 256 MB RAM
- Powering option**  
4-pin power socket, 9-50 VDC
- Ethernet**  
4 x RJ45 ports, 10/100/1000 Mbps:  
1 x WAN (configurable as LAN),  
3 x LAN
- Interfaces**  
1 x USB host; On 4-pin socket:  
1 x Digital input, 1 x Digital open collector output; GNSS
- Housing & Mounting**  
Aluminum housing with DIN rail mounting option
- Measurements & Weight**  
115 x 44.2 x 95.1 mm, 455 g



**RUTX11**  
INDUSTRIAL CELLULAR ROUTER

- Mobile**  
4G/LTE (Cat 6), 3G
- Flash Memory & RAM**  
256 MB Flash, 256 MB RAM
- Powering option**  
4-pin power socket, 9-50 VDC
- Ethernet**  
4 x RJ45 ports, 10/100/1000 Mbps:  
1 x WAN (configurable as LAN),  
3 x LAN
- Wi-Fi**  
IEEE 802.11b/g/n 2.4GHz, IEEE 802.11a/n/ac 5GHz, Access point (AP), Station (STA)
- Interfaces**  
1 x USB host; On 4-pin socket:  
1 x Digital input, 1 x Digital open collector output; GNSS
- Bluetooth**  
4.0 (Low energy)
- Housing & Mounting**  
Aluminum housing with DIN rail mounting option
- Measurements & Weight**  
115 x 44.2 x 95.1 mm, 456 g





# RUTX12

DUAL LTE CAT 6 INDUSTRIAL CELLULAR ROUTER

- Mobile**  
2 x 4G/LTE (Cat 6), 3G
- Flash Memory & RAM**  
256 MB Flash, 256 MB RAM
- Powering option**  
4-pin power socket, 9-50 VDC
- Ethernet**  
5 x RJ45 ports, 10/100/1000 Mbps:  
1 x WAN (configurable as LAN),  
4 x LAN
- Wi-Fi**  
IEEE 802.11b/g/n 2.4GHz, IEEE 802.11a/n/ac 5GHz, Access point (AP), Station (STA)
- Interfaces**  
1 x USB host; On 4-pin socket:  
1 x Digital input, 1 x Digital open collector output; GNSS
- Bluetooth**  
4.0 (Low energy)
- Housing & Mounting**  
Aluminum housing with DIN rail mounting option
- Measurements & Weight**  
132 x 44.2 x 95.1 mm, 540 g



# RUTX14

4G LTE CAT12 INDUSTRIAL CELLULAR ROUTER

- Mobile**  
4G/LTE (Cat 12), 3G
- Flash Memory & RAM**  
256 MB Flash, 256 MB RAM
- Powering option**  
4-pin power socket, 9-50 VDC
- Ethernet**  
5 x RJ45 ports, 10/100/1000 Mbps:  
1 x WAN (configurable as LAN),  
4 x LAN
- Wi-Fi**  
IEEE 802.11b/g/n 2.4GHz, IEEE 802.11a/n/ac 5GHz, Access point (AP), Station (STA)
- Interfaces**  
1 x USB host; On 4-pin socket:  
1 x Digital input, 1 x Digital open collector output; GNSS
- Bluetooth**  
4.0 (Low energy)
- Housing & Mounting**  
Aluminum housing with DIN rail mounting option
- Measurements & Weight**  
132 x 44.2 x 95.1 mm, 515 g



# RUTXR1

ENTERPRISE RACK-MOUNTABLE SFP/LTE ROUTER

- Mobile**  
4G/LTE (Cat 6), 3G
- Flash Memory & RAM**  
256 MB Flash, 256 MB RAM
- Powering option**  
4-pin power socket, 9-50 VDC (main)  
4-pin power socket, 9-50 VDC (redundant)
- Ethernet**  
5 x RJ45 ports, 10/100/1000 Mbps:  
1 x WAN (configurable as LAN),  
4 x LAN
- Wi-Fi**  
IEEE 802.11b/g/n 2.4GHz, IEEE 802.11a/n/ac 5GHz, Access point (AP), Station (STA)
- Interfaces**  
1 x SFP; 1 x Console port;  
1 x USB host
- Housing & Mounting**  
Aluminum housing with rack mounting option
- Measurements & Weight**  
272 x 42.6 x 122.6 mm, 1093 g



**SINGLE-DIGIT LATENCY**  
Engineered for mission-critical applications

# RUTX50



INDUSTRIAL 5G ROUTER

**5G**  
Ultra-high cellular speeds of up to 3.3 Gbps

**FUTURE-PROOF**  
Adaptable for the future, backward compatible with the past

- Mobile**  
5G Sub-6Ghz SA/NSA, 4G/LTE (Cat 20), 3G
- Flash Memory & RAM**  
256 MB Flash, 256 MB RAM
- Powering option**  
4-pin power socket, 9-50 VDC
- Ethernet**  
5 x RJ45 ports, 10/100/1000 Mbps:  
1 x WAN (configurable as LAN),  
4 x LAN
- Wi-Fi**  
IEEE 802.11b/g/n 2.4GHz, IEEE 802.11ac/n/a 5GHz, Access point (AP), Station (STA)
- Interfaces**  
1 x USB host; On 4-pin socket:  
1 x Digital input, 1 x Digital open collector output; GNSS
- Housing & Mounting**  
Aluminum housing with DIN rail mounting option
- Measurements & Weight**  
132 x 44.2 x 95.1 mm, 533 g





# TCR100

4G Wi-Fi ROUTER FOR HOME USER

**Mobile**  
4G/LTE-A (Cat 6), 3G

**Flash Memory & RAM**  
16 MB Flash, 128 MB RAM

**Powering option**  
4-pin power socket, 9-30 VDC

**Ethernet**  
2 x 10/100 Mbps Ethernet ports:  
1 x WAN (configurable as LAN),  
1 x LAN

**Wi-Fi**  
2.4 GHz (802.11 b/g/n, 2x2 MIMO),  
5 GHz (802.11 ac, 1x1 MIMO),  
Access Point (AP), Station (STA)

**Housing & Mounting**  
Plastic housing with aluminum  
screws and heatsink with flat  
mounting option

**Measurements & Weight**  
150 x 37 x 105 mm, 376 g

**FLEXIBLE**  
OpenWrt-based system  
for endless configuration  
possibilities

**FEATURE-RICH**  
Robust connectivity and  
security features

**TAKE IT HOME**  
Industrial-level experience  
for comfortable home use



## ALWAYS TESTING, ALWAYS IMPROVING

We work tirelessly to ensure the utmost security of our products, continuously search for and manage vulnerabilities, perform penetration tests, and act as watchdogs in the software design process. When the product is in your hands, you can trust its security wasn't handled lightly.

**HEAD OF CYBER SECURITY**  
DEIVIDAS VYŠNIAUSKAS





**PASSIVE PoE+**  
Power supply centralization via LAN port for reduced complexity

**VERSATILE**

Multiple interfaces, including Ethernet ports, digital I/Os, and USB



**RutOS**  
Feature-rich operating system with advanced security features



# ETHERNET ROUTERS

RUT300 // RUTX08 // RUTX10



## RUT300

INDUSTRIAL ETHERNET ROUTER

**Flash Memory & RAM**  
16 MB Flash, 16 MB RAM

**Powering option**  
4-pin power socket, 7-30 VDC

**Ethernet**  
5 x 10/100 Ethernet ports:  
1 x WAN,  
4 x LAN

**Interfaces**  
1 x USB host; On 4-pin socket:  
1 x Digital input, 1 x Digital open collector output

**Housing & Mounting**  
Aluminum housing with DIN rail mounting option

**Measurements & Weight**  
100 x 30 x 85 mm, 229 g



## RUTX08

INDUSTRIAL ETHERNET ROUTER

**Flash Memory & RAM**  
256 MB Flash, 256 MB RAM

**Powering option**  
4-pin power socket, 9-50 VDC

**Ethernet**  
4 x RJ45 ports, 10/100/1000 Mbps:  
1 x WAN (configurable as LAN),  
3 x LAN

**Interfaces**  
1 x USB host; On 4-pin socket:  
1 x Digital input, 1 x Digital open collector output

**Housing & Mounting**  
Aluminum housing with DIN rail mounting option

**Measurements & Weight**  
115 x 32.2 x 95.2 mm, 345 g



## RUTX10

PROFESSIONAL ETHERNET ROUTER

**Flash Memory & RAM**  
256 MB Flash, 256 MB RAM

**Powering option**  
4-pin power socket, 9-50 VDC

**Ethernet**  
4 x RJ45 ports, 10/100/1000 Mbps:  
1 x WAN (configurable as LAN),  
3 x LAN

**Wi-Fi**  
IEEE 802.11b/g/n 2.4GHz,  
IEEE 802.11ac/n/a 5GHz

**Bluetooth**  
4.0 (Low energy)

**Interfaces**  
1 x USB host; On 4-pin socket:  
1 x Digital input, 1 x Digital open collector output

**Housing & Mounting**  
Aluminum housing with DIN rail mounting option

**Measurements & Weight**  
115 x 32.2 x 95.2 mm, 355 g





# TRB1 SERIES

TRB140 // TRB141 // TRB142 // TRB143 // TRB145



**COMPACT**

Easy to install,  
easy to use

**ADAPTABLE**

Wide range of supported  
interfaces for added versatility

**COMPETITIVE PRICING**

Pay only for exactly  
what you need



## TRB140

INDUSTRIAL RUGGED LTE GATEWAY

**Mobile**  
4G/LTE (Cat 4), 3G, 2G

**Flash Memory & RAM**  
512 MB Flash, 128 MB RAM

**Powering option**  
4-pin power socket, 9-30 VDC

**Ethernet**  
1 x RJ45 port, 10/100/1000 Mbps

**Interfaces**  
1 x Micro USB slave; On 4-pin socket:  
1 x Digital input, 1 x Digital open  
collector output (configurable)

**Housing & Mounting**  
Aluminum housing with DIN rail  
mounting option

**Measurements & Weight**  
74.5 x 25 x 64.4 mm, 134 g



## TRB141

INDUSTRIAL RUGGED GPIO LTE GATEWAY

**Mobile**  
4G/LTE (Cat 1), 3G, 2G

**Flash Memory & RAM**  
512 MB Flash, 128 MB RAM

**Powering option**  
4-pin power socket, 9-30 VDC

**Interfaces**  
On 4-pin socket: 1 x Digital input,  
1 x Digital open collector output  
(configurable); On 16-pin socket:  
1 x Isolated input, 1 x Single wire  
input, 1 x Analog input (with 4-20mA  
capability), 1 x Latching relay output,  
1 x Non-latching relay output,  
2 x Dry/Wet input (configurable);  
1 x Micro USB slave

**Housing & Mounting**  
Aluminum housing with DIN rail  
mounting option

**Measurements & Weight**  
74.5 x 25 x 64.4 mm, 136 g



## TRB142

INDUSTRIAL RUGGED LTE RS232 GATEWAY

**Mobile**  
4G/LTE (Cat 1), 3G, 2G

**Flash Memory & RAM**  
512 MB Flash, 128 MB RAM

**Powering option**  
4-pin power socket, 9-30 VDC

**Interfaces**  
1 x RS232; 1 x Micro USB slave;  
On 4-pin socket: 1 x Digital input,  
1 x Digital open collector output  
(configurable)

**Housing & Mounting**  
Aluminum housing with DIN rail  
mounting option

**Measurements & Weight**  
74.5 x 25 x 64.4 mm, 135 g





# TRB143

M-BUS CELLULAR GATEWAY

**Mobile**  
4G/LTE (Cat 1), 3G, 2G

**Flash Memory & RAM**  
512 MB Flash, 256 MB RAM

**Powering option**  
4-pin power socket, 12-30 VDC

**Ethernet**  
1 x RJ45 port, 10/100/1000 Mbps

**Interfaces**  
1 x M-Bus interface; On 4-pin socket:  
1 x Digital input, 1 x Digital open collector output (configurable)

**Housing & Mounting**  
Aluminum housing with DIN rail mounting option

**Measurements & Weight**  
74.5 x 25 x 73 mm, 145 g



# TRB145

INDUSTRIAL RUGGED LTE RS485 GATEWAY

**Mobile**  
4G/LTE (Cat 1), 3G, 2G

**Flash Memory & RAM**  
512 MB Flash, 128 MB RAM

**Powering option**  
4-pin power socket, 9-30 VDC

**Interfaces**  
1 x RS485; 1 x Micro USB slave;  
On 4-pin socket: 1 x Digital input,  
1 x Digital open collector output (configurable)

**Housing & Mounting**  
Aluminum housing with DIN rail mounting option

**Measurements & Weight**  
74.5 x 25 x 64.4 mm, 130 g

PREFER  
TO  
WATCH,  
NOT  
READ?



EXPLORE OUR  CHANNEL





UNINTERRUPTED  
CONNECTIVITY

Dual SIM with auto-failover  
and backup WAN

COMPACT SIZE

All you need, right  
in your pocket

VERSATILE

Wide range of supported  
interfaces and I/Os



# TRB2 SERIES

TRB245 // TRB255



## TRB245

INDUSTRIAL M2M LTE GATEWAY

**Mobile**

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

**Flash Memory & RAM**

16 MB Flash, 64 MB RAM

**Powering option**

16-pin terminal, 9-30 VDC

**Ethernet**

1 x 10/100 Mbps Ethernet port

**Interfaces**

1 x RS232; 1 x RS485; On 16-pin  
socket: 3 x Digital input/Digital open  
collector output (configurable),  
1 x Analog input; GNSS

**Housing & Mounting**

Aluminum housing with DIN rail  
mounting option

**Measurements & Weight**

83 x 25 x 74.2 mm, 165 g



## TRB255

INDUSTRIAL M2M GATEWAY

**Mobile**

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

**Flash Memory & RAM**

16 MB Flash, 64 MB RAM

**Powering option**

16-pin terminal, 9-30 VDC

**Ethernet**

1 x 10/100 Mbps Ethernet port

**Interfaces**

1 x RS232; 1 x RS485; On 16-pin  
socket: 3 x Digital input/Digital open  
collector output (configurable),  
1 x Analog input; GNSS

**Housing & Mounting**

Aluminum housing with DIN rail  
mounting option

**Measurements & Weight**

83 x 25 x 74.2 mm, 165 g



MISSION-CRITICAL

Single-digit latency for mission-critical applications



# TRB500

INDUSTRIAL 5G GATEWAY



- Mobile**  
5G Sub-6Ghz SA/NSA, 4G/LTE (Cat 20), 3G
- Flash Memory & RAM**  
512 MB Flash, 256 MB RAM
- Powering option**  
4-pin power socket, 9-30 VDC
- Ethernet**  
1 x RJ45 port, 10/100/1000 Mbps
- Interfaces**  
1 x Micro USB slave;  
On 4-pin socket: 1 x Digital input,  
1 x Digital open collector output (configurable)
- Housing & Mounting**  
Aluminum housing with DIN rail mounting option
- Measurements & Weight**  
100 x 30 x 93.4 mm, 241 g

COMPACT SIZE

One of the smallest 5G gateways in the market

5G

Ultra-high throughput of up to 1 Gbps

# YOUR NEEDS, OUR ANSWERS

Over years of experience, we've strived to find the recipe for responding quickly to emerging market needs. We do not believe in compromising on the efficiency, reliability, and ease of use of our devices – our products reflect our visions and our values.

HEAD OF R&D  
MANTAS ČIŽAUSKAS







# PoE+ SWITCHES

TSW100 // TSW101 // TSW200

**PoE+**  
Power supply centralization  
for simplifying your solution

**KEY PERFORMANCE**  
Gigabit Ethernet ports for  
high-bandwidth data throughput

**INDUSTRIAL DESIGN**  
Compact, sturdy, and easy to install –  
perfect for industrial applications



**TSW100**  
INDUSTRIAL UNMANAGED PoE+ SWITCH

- Powering option**  
4-pin power socket, 7-57 VDC (input voltage range for PoE 44-57 VDC)
- PoE standart & Total PoE Power Budget (at PSE)**  
802.3af and 802.3at, 120 W
- Ethernet**  
5 x RJ45 ports, 10/100/1000 Mbps: 4 x PoE, 1 x Uplink
- Bandwidth (Non-blocking)**  
10 Gbps
- Housing & Mounting**  
Aluminum housing with DIN rail mounting option
- Measurements & Weight**  
115 x 32 x 95 mm, 350 g



**TSW101**  
AUTOMOTIVE PoE+ SWITCH

- Powering option**  
2-pin power DC socket, 9-30 VDC (input voltage range for PoE 9-30 VDC)
- PoE standart & Total PoE Power Budget (at PSE)**  
802.3af and 802.3at, 60 W
- Ethernet**  
5 x RJ45 ports, 10/100/1000 Mbps: 4 x PoE, 1 x Uplink
- Bandwidth (Non-blocking)**  
10 Gbps
- Housing & Mounting**  
Aluminum housing with DIN rail mounting option
- Measurements & Weight**  
115 x 32 x 95 mm, 384 g



**TSW200**  
INDUSTRIAL UNMANAGED PoE+ SWITCH

- Powering option**  
2-pin power socket, 7-57 VDC (input voltage range for PoE 44-57 VDC)
- PoE standart & Total PoE Power Budget (at PSE)**  
802.3af and 802.3at, 240 W
- Ethernet**  
8 x RJ45 ports, 10/100/1000 Mbps
- Bandwidth (Non-blocking)**  
20 Gbps
- Interfaces**  
2 x SFP
- Housing & Mounting**  
Aluminum housing; Integrated DIN rail bracket (on a standart order code)
- Measurements & Weight**  
132 x 44.2 x 95.1 mm, 517 g



INDUSTRIAL-GRADE

Sturdy aluminium housing  
resistant to vibrations and  
extreme temperatures

PLUG N PLAY

No additional configuration  
needed, no time wasted

ADAPTABLE

Wide voltage range and  
DIN rail mounting



# ETHERNET SWITCHES

TSW110 // TSW210 // TSW010 // TSW114 // TSW304



## TSW110

L2 UNMANAGED SWITCH

Powering option

4-pin power socket, 9 - 30 VDC

Ethernet

5 x RJ45 ports, 10/100/1000 Mbps

Bandwidth (Non-blocking)

10 Gbps

Housing & Mounting

Aluminum housing with DIN rail  
mounting option

Measurements & Weight

100 x 30 x 85 mm, 227 g



## TSW210

UNMANAGED INDUSTRIAL SWITCH

Powering option

2-pin power socket, 7-57 VDC

Ethernet

8 x RJ45 ports, 10/100/1000 Mbps

Bandwidth (Non-blocking)

20 Gbps

Interfaces

2 x SFP

Housing & Mounting

Aluminum housing; Integrated DIN  
rail bracket (on a standart order  
code)

Measurements & Weight

132 x 44.2 x 95.1 mm, 500 g



SWITCHES



TSW010

DIN RAIL SWITCH

**Powering option**  
2-pin power DC socket, 9 - 30 VDC

**Ethernet**  
5 x RJ45 ports, 10/100 Mbps

**Bandwidth (Non-blocking)**  
1 Gbps

**Housing & Mounting**  
Anodized aluminum housing and panels; Integrated DIN rail bracket

**Measurements & Weight**  
113.1 x 27.4 x 80.5 mm, 146.5 g



TSW114

DIN RAIL SWITCH

**Powering option**  
2-pin power DC socket, 9 - 30 VDC

**Ethernet**  
5 x RJ45 ports, 10/100/1000 Mbps

**Bandwidth (Non-blocking)**  
10 Gbps

**Housing & Mounting**  
Anodized aluminum housing and panels; Integrated DIN rail bracket

**Measurements & Weight**  
113.1 x 27.4 x 80.5 mm, 174 g



TSW304

DIN RAIL SWITCH

**Powering option**  
2-pin power DC socket, 7 - 57 VDC / 9 - 40 VAC

**Ethernet**  
4 x RJ45 ports, 10/100/1000 Mbps

**Bandwidth (Non-blocking)**  
8 Gbps

**Housing & Mounting**  
Anodized aluminum housing and panels; Integrated DIN rail bracket

**Measurements & Weight**  
102 x 25 x 81.5 mm, 210 g



FROM ENGINEERS,  
TO ENGINEERS

Our hardware engineering is rooted in simplicity and precision, and our devices are built with engineer needs in mind – balancing performance, functionality, and durability. This ensures that our products don't only meet industry requirements, but continue to excel long into the future.

HEAD OF HARDWARE  
LUKAS ŽAROVAS





**MISSION-FOCUSED**

Reliable modem for a single device, no bells and whistles

**SPECIALIZED DESIGN**

Compact, sturdy, and easy to install – perfect for industrial applications

**PLUG N PLAY**

No additional configuration needed, no time wasted



# TRM2 SERIES

TRM240 // TRM250



## TRM240

INDUSTRIAL CELLULAR MODEM

**Mobile**  
4G/LTE (Cat1), 3G, 2G

**Powering option**  
MicroUSB, 5 VDC

**SIM**  
1 x Internal SIM holder (2FF)

**Interfaces**  
1 x Micro USB slave

**Ingress protection rate**  
IP30

**Housing & Mounting**  
Aluminum housing with DIN rail mounting option

**Measurements & Weight**  
74.5 x 25 x 64.5 mm, 131 g



## TRM250

INDUSTRIAL CELLULAR MODEM

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

**Powering option**  
MicroUSB, 5 VDC

**SIM**  
1 x Internal SIM holder (2FF)

**Interfaces**  
1 x Micro USB slave

**Ingress protection rate**  
IP30

**Housing & Mounting**  
Aluminum housing with DIN rail mounting option

**Measurements & Weight**  
74.5 x 25 x 64.5 mm, 130 g



# DEVICE COMPARISON

Products key features	ROUTERS													
	RUT200	RUT240	RUT241	RUT360	RUT901	RUT950	RUT951	RUT955	RUT956	RUTX09	RUTX11	RUTX12	RUTX14	RUTX50
5G														•
4G/LTE category	Cat4	Cat4	Cat4	Cat6	Cat4	Cat4	Cat4	Cat4	Cat4	Cat6	Cat6	2xCat6	Cat12	Cat20
3G	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2G	•	•	•		•	•	•	•	•					
CPU (MHz)	580	400	580	650		550	580	550	580	4x717	4x717	4x717	4x717	4x717
RAM (MB)	128	64	128	128	128	128	128	128	128	256	256	256	256	256
Flash memory (MB)	16	16	16	16	16	16	16	16	16	256	256	256	256	256
Passive PoE	•	•	•			•	•	•	•	•	•	•	•	•
Power voltage (VDC)	9-30	9-30	9-30	9-30	9-30	9-30	9-30	9-30	9-30	9-50	9-50	9-50	9-50	9-50
SIM card slots	1	1	1	1	2	2	2	2	2	2	2	2	2	2
Ethernet ports	2	2	2	2	4	4	4	4	4	4	4	5	5	5
Ethernet speed (Mbps)	100	100	100	100		100	100	100	100	1000	1000	1000	1000	1000
WiFi standard	n	n	n	n		n	n	n			ac	ac	ac	ac
GNSS								•			•	•	•	•
Inputs/Outputs	2	2	2	2		2	2	6	8	2	2	2	2	2
RS232								•	•					
RS485								•	•					
Bluetooth											•	•	•	
USB								Host	Host	Host	Host	Host	Host	Host
DIN Rail mounting	•	•	•	•		•	•	•	•	•	•	•	•	•
Rack mounting														
Flat surface mounting	•	•	•	•		•	•	•	•	•	•	•	•	•
Grounding terminal										•	•	•	•	•
Sleep mode														
RMS support	•	•	•	•		•	•	•	•	•	•	•	•	•
RutOS	•	•	•	•		•	•	•	•	•	•	•	•	•
M-Bus														

Products key features	ROUTERS				GATEWAYS									MODEMS		
	RUTXR1	TCR100	RUT300	RUTX08	RUTX10	TRB140	TRB141	TRB142	TRB143	TRB145	TRB245	TRB255	TRB500	TRM240	TRM250	
5G																
4G/LTE category	Cat6	Cat6				Cat4	Cat1	Cat1	Cat1	Cat1	Cat4	M1/NB	CAT20	Cat1	M1/NB	
3G	•	•				•	•	•	•	•	•		•	•		
2G						•	•	•	•	•	•	•		•	•	
CPU (MHz)	4x717	650	650	4x717	4x717	1200	1200	1200	1300	1200	650	650	1500			
RAM (MB)	256	128	64	256	256	128	128	128	256	128	64	64	256			
Flash memory (MB)	256	16	16	256	256	512	512	512	512	512	16	16	512			
Passive PoE			•	•	•	•			•							
Power voltage (VDC)	2x(9-50)	9-30	7-30	9-50	9-50	9-30	9-30	9-30	12-30	9-30	9-30	9-30	9-30	5	5	
SIM card slots	2	1				1	1	1	1	1	2	2	1	1	1	
Ethernet ports	5	2	5	4	4	1			1		1	1	1			
Ethernet speed (Mbps)	1000	100	100	1000	1000	1000			1000		100	100	1000			
WiFi standard	ac	ac			ac											
GNSS											•	•				
Inputs/Outputs			2	2	2	2	8	2	2	2	4	4	2			
RS232								•			•	•				
RS485										•	•	•				
Bluetooth					•											
USB	Host		Host	Host	Host	Slave	Slave	Slave		Slave			Slave	Slave	Slave	
DIN Rail mounting			•	•	•	•	•	•	•	•	•	•	•	•	•	
Rack mounting	•															
Flat surface mounting		•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Grounding terminal	•			•	•											
Sleep mode														•	•	
RMS support	•	•	•	•	•	•	•	•	•	•	•	•	•			
RutOS	•	•	•	•	•	•	•	•	•	•	•	•	•			
M-Bus									•							



# DEVICE COMPARISON

Products key features	SWITCHES							
	TSW100	TSW101	TSW200	TSW110	TSW210	TSW010	TSW114	TSW304
Passive PoE				•		•	•	•
PoE out	802.3af/at	802af/at	802.3af/at					
Power voltage (VDC)	7-57	9-30	7-57	9-30	7-57	9-30	9-30	7-57
Ethernet ports	5	5	8	5	8	5	5	4
SFP ports			2		2			
Ethernet speed (Mbps)	1000	1000	1000	1000	1000	100	1000	1000
DIN Rail mounting	•	•	•	•	•	•	•	•
Flat surface mounting	•	•	•	•	•			
Grounding terminal	•	•	•	•	•		•	•

# POWERING OPTIONS



**Power supply, 9 W**  
EU: PR3PUEU3 // UK: PR3PUUK3  
AU: PR3PUAU3 // US: PR3PUUS3



**2-pin power supply, 9 W**  
EU: PR3PREU6 // UK: PR3PRUK6  
AU: PR3PRAU6 // US: PR3PRUS6



**Power supply, 18 W**  
EU: PR3PXEU3 // UK: PR3PXUK3  
AU: PR3PXAU3 // US: PR3PXUS3



**Power supply, 24 W**  
EU: PR3P2EU3 // UK: PR3P2UK3  
AU: PR3P2AU3 // US: PR3P2US3



**Power supply, 62 W**  
EU: PR3PWEU3 // UK: PR3PWUK3  
AU: PR3PWAU3 // US: PR3PWUS3



**2-pin power supply, 62 W**  
EU: PR317EUA // UK: PR317UKA  
AU: PR317AUA // US: PR317USA



**Power supply, 130 W**  
EU: PR313EU3 // UK: PR313UK3  
AU: PR313AU3 // US: PR313US3



**2-pin power supply, 130 W**  
Order code: PR318EUA



**2-pin power supply, 250 W**  
EU: PR320EUA // UK: PR320UKA  
AU: PR320AUA // US: PR320USA



**Universal power supply, 9 W**  
Order code: PR3PUPS3



**Automotive power supply**  
Order code: PR2AM20M



**BAT120 - Uninterruptable power supply**  
Order code: BAT120000000



**DIN Rail power supply**  
Order code: PR3PDNP0



**DIN Rail power supply, 15 W**  
Order code: PR321NP0



**Power cable with 4-way open wire**  
Order code: PR2PL15B



**4-Pin plug with contact terminals**  
Order code: PR4MK04K





**Power cable with 4-way screw terminal**  
Order code: PR2FK20M



**4-pin power adapter with I/O access**  
Order code: PR5MEC21



**4-pin to 4-pin power cable**  
Order code: PR2PP10B



**4-pin to barrel socket adapter**  
Order code: PR2PD01B

## MOUNTING OPTIONS



**Compact DIN Rail Kit**  
Order code: PR5MEC11



**DIN Rail Kit adapter**  
Order code: PR5MEC23



**DIN Rail Kit**  
Order code: PR5MEC00



**Rack mounting Kit**  
Order code: PR5MEC26



**Surface clip holder Kit**  
Order code: PR5MEC22



**Surface mounting Kit**  
Order code: PR5MEC12



**TSW1 rear panel with DIN rail holder**  
Order code: PR5MEC24



**TSW2 rear panel with DIN rail holder**  
Order code: PR5MEC25

## ANTENNA OPTIONS



**5G mobile magnetic SMA antenna**  
Order code: PR1KS536



**5G mobile SMA antenna**  
Order code: PR1US540



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



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



**Combo MIMO mobile roof SMA antenna**  
Order code: PR1KCL25



**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



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



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



**Mobile SMA antenna**  
Order code: PR1US440



**SMA cable extension**  
Order code: PR2VM20M



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



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



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



**WiFi SMA antenna**  
Order code: PR1URF51





**Crowd-support forum**  
[community.teltonika-networks.com](http://community.teltonika-networks.com)



**Wiki knowledge base**  
[wiki.teltonika-networks.com](http://wiki.teltonika-networks.com)



**Teltonika Networks**  
[teltonika-networks.com](http://teltonika-networks.com)



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