

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.

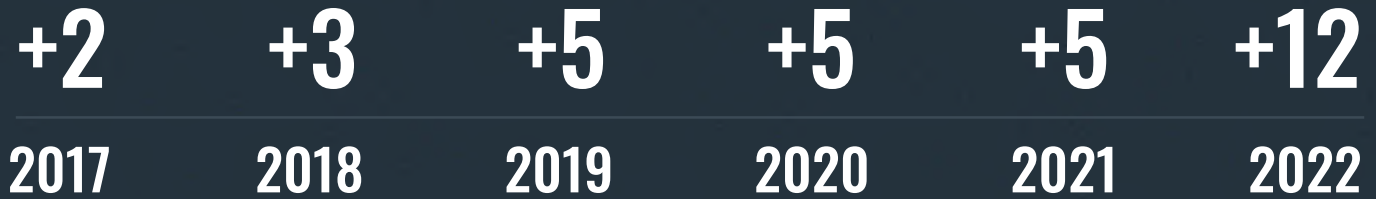
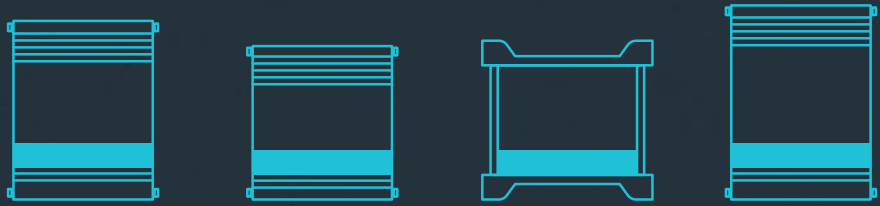
25
YEARS
OF IoT
BUSINESS

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 ^{EOL}

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 ^{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
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. 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 Probitas — 100% for the entire solution. Robobend uses remote connection through 4G/LTE to main robot cell and TSW100 industrial PoE switch. RUT956 provides secure connection 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

- 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

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

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



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

GATEWAYS



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

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EXPLORE OUR YouTube 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

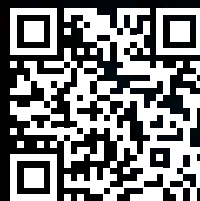


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