TELTONIKA | Networks

PRODUCT CATALOG
2023

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WHO WE ARE?

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.

Lithuania HQ

25 YEARS OF IoT BUSINESS

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.
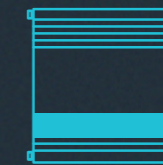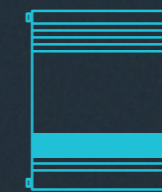
WHAT WE OFFER?

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

+2	+3	+5	+5	+5	+12
2017	2018	2019	2020	2021	2022

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.

MADE
IN EUROPE

8 MODERN SMT LINES

100+ ROBOTS FOR AUTOMATION

500K MONTHLY MANUFACTURING CAPACITY

FROM CONCEPT TO THE FINISHED PRODUCT

EXPERIENCE

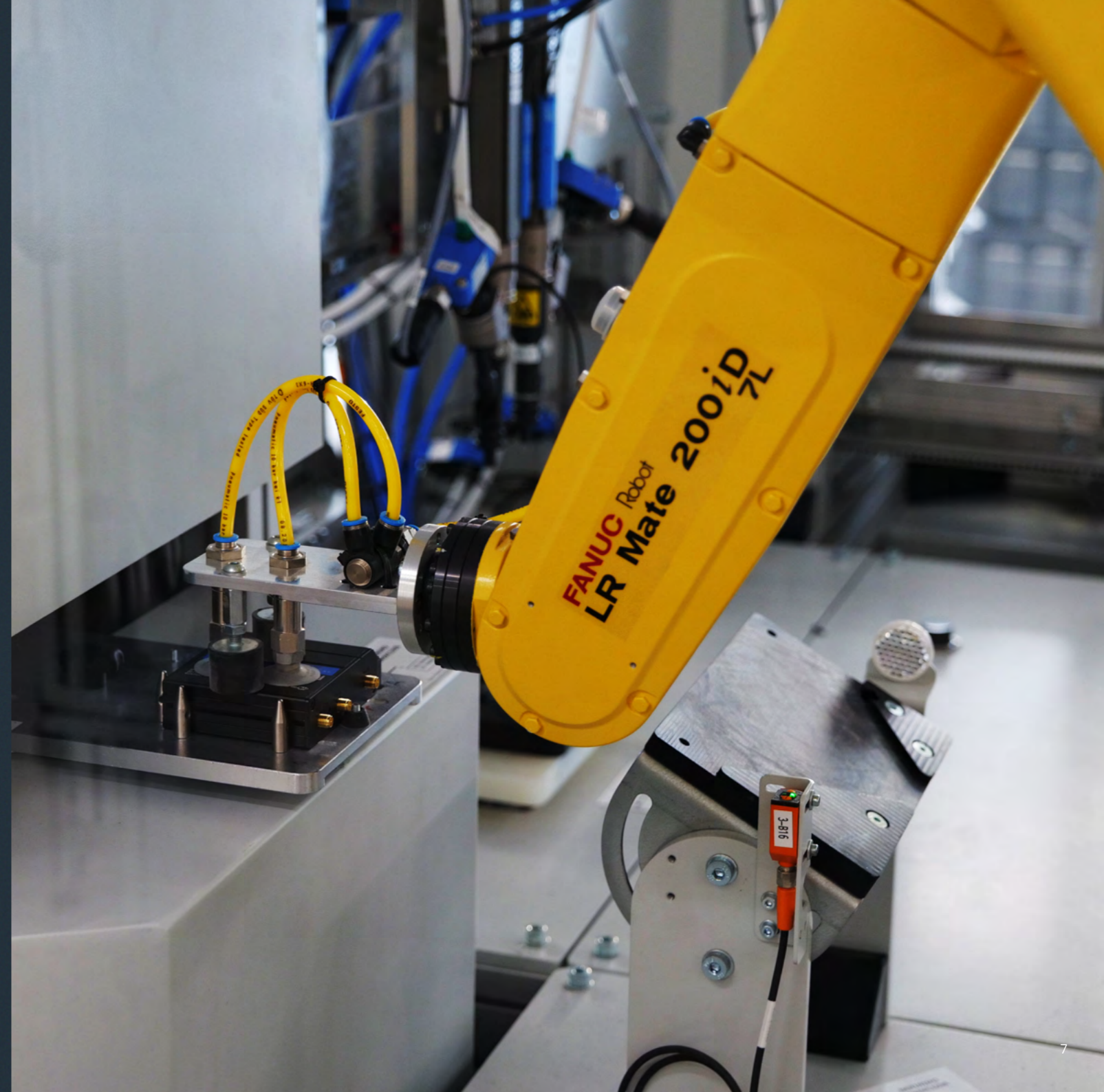For more than 25 years we have been providing reliable Industrial IoT & M2M connectivity solutions that are secure and easy to use.

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.

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

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

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

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

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

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

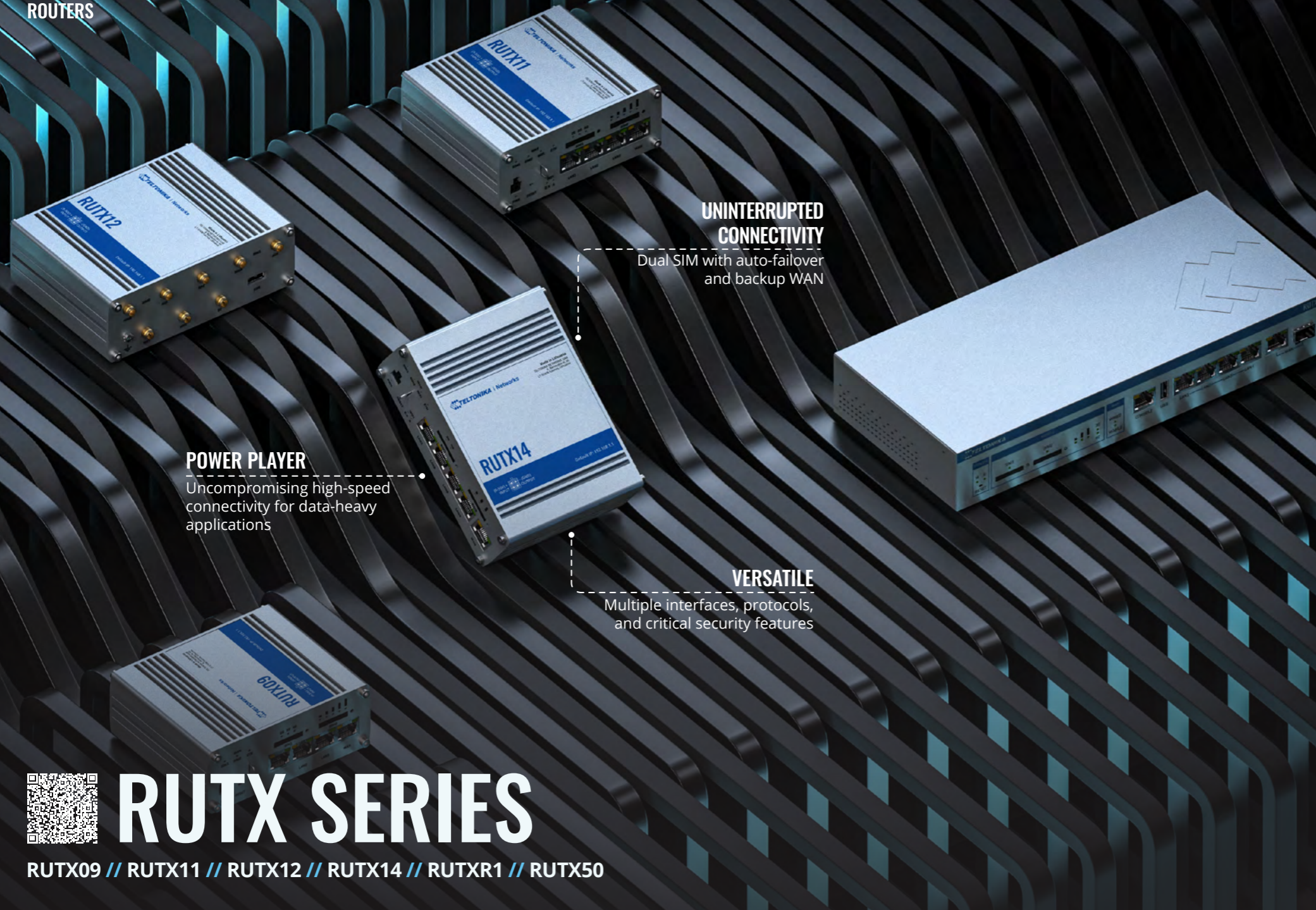# SO MANY DEVICES EVEN MORE USE CASES

**LOOK AT OUR USE
CASE CATALOG**

SECURE INTERNET CONNECTIVITY FOR METAL BENDING MACHINERY
// INDUSTRIAL & AUTOMATION

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

FEATURE-RICH
Robust connectivity and
security features

FLEXIBLE
OpenWrt-based system
for endless configuration
possibilities

TAKE IT HOME
Industrial-level experience
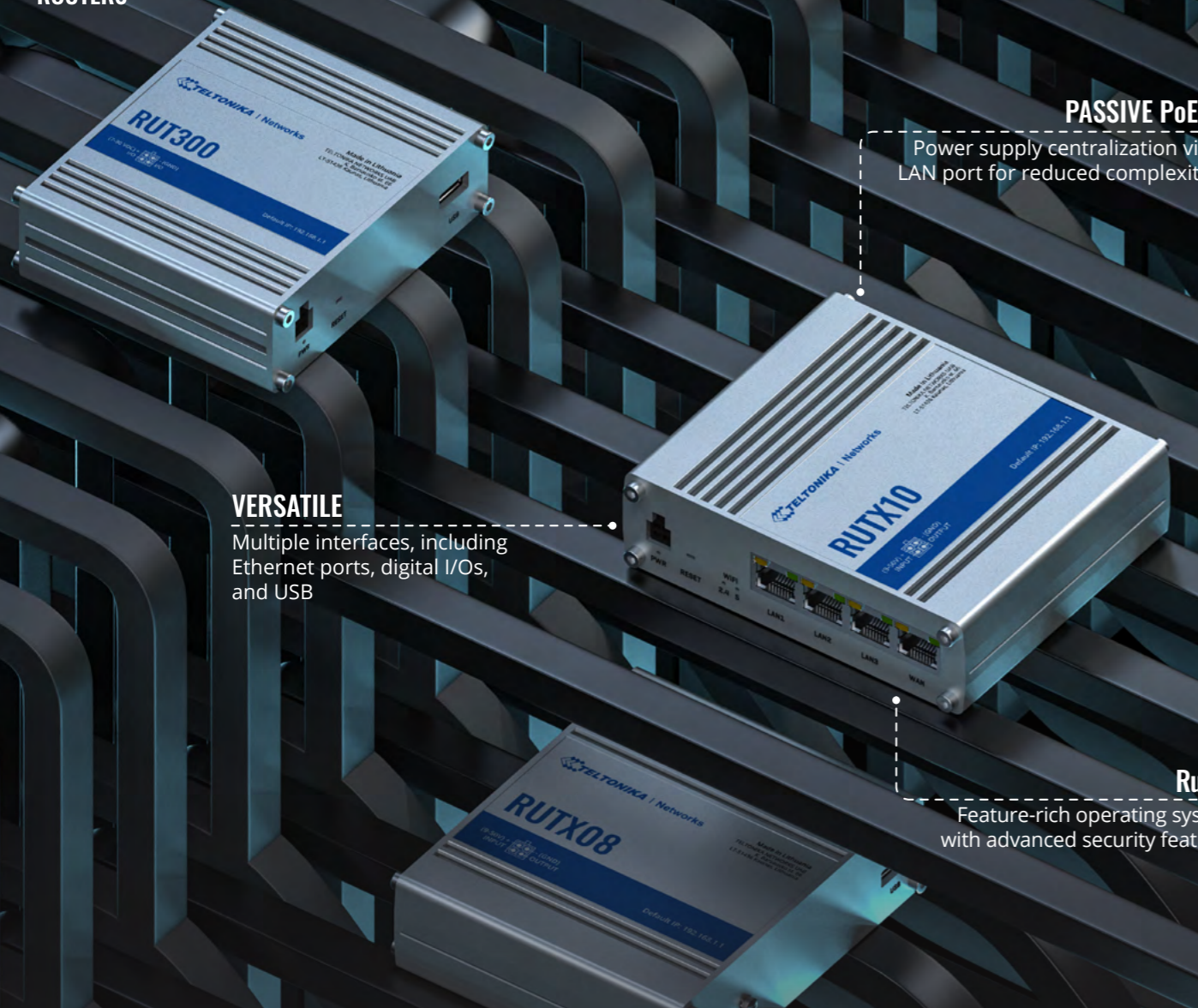for comfortable home use

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

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

TRB1 SERIES

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

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

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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

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

KEY PERFORMANCE
Gigabit Ethernet ports for high-bandwidth data throughput

PoE+
Power supply centralization for simplifying your solution

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

PoE+ SWITCHES
TSW100 // TSW101 // TSW200

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

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

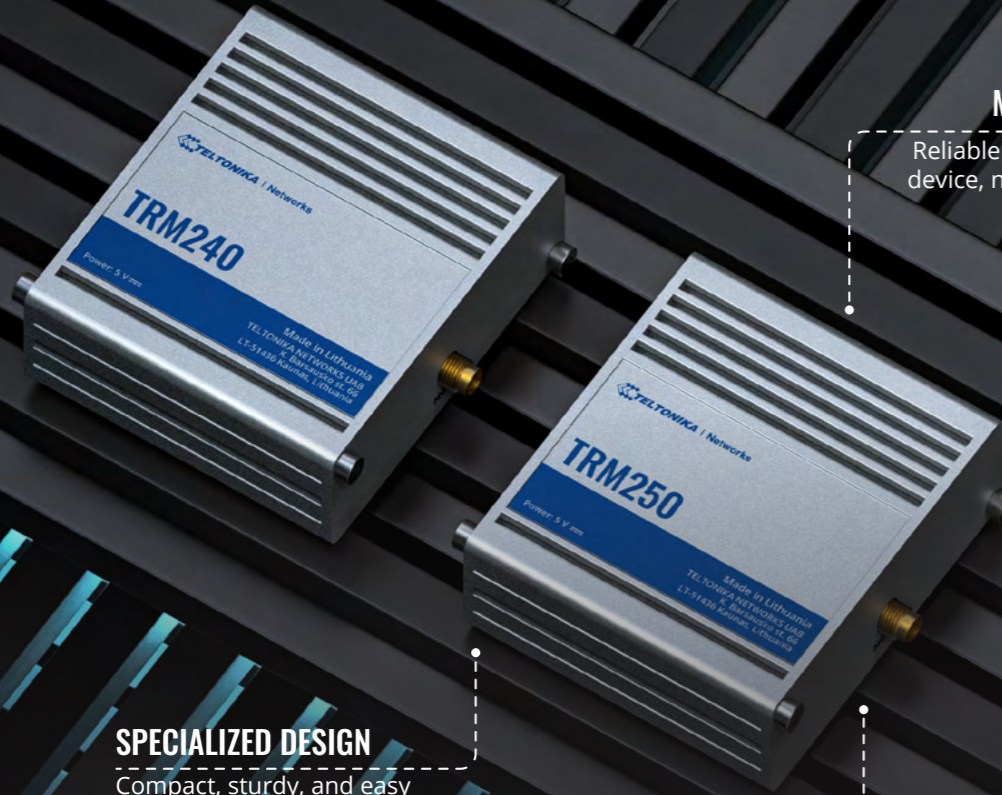**Measurements & Weight**
102 x 25 x 81.5 mm, 210 g

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 applictions

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

ROUTERS

Products key features	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	100	1000	1000	1000	1000	1000
WiFi standard	n	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														

ROUTERS | GATEWAYS | MODEMS

Products key features	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

MOUNTING OPTIONS

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

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
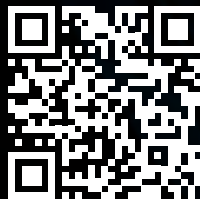
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