

# NETWORK SMARTER, CONNECT FASTER

Networking product catalogue / 2025

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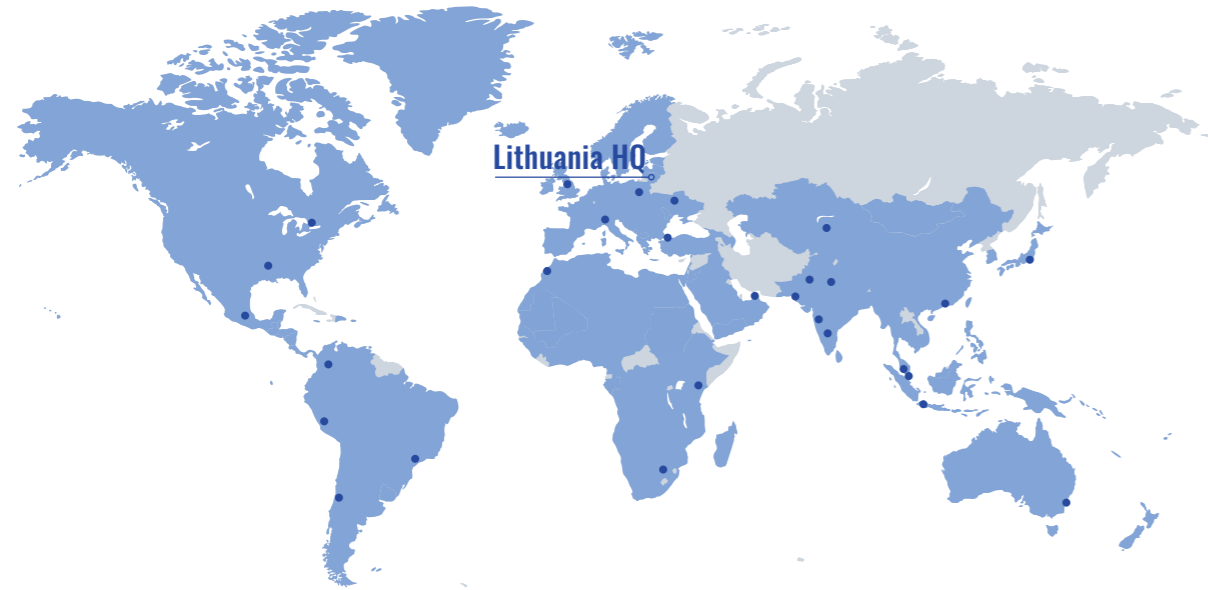
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# WHO ARE WE?

Teltonika creates IoT connectivity equipment for the IoT world of tomorrow. With over 25 years of market expertise, we bring our vision and expertise to create products of seamless

connectivity, simple integration, and remote management capabilities for industrial solutions worldwide.



## Mission

Our exceptional skills in being a fast and flexible partner reflect our needs to be closer to our clients in every world region. Long-standing experience, reliable supply chain, highest technology process models stand for our ability to produce millions of IoT devices to our clients.

## Vision

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

## Values

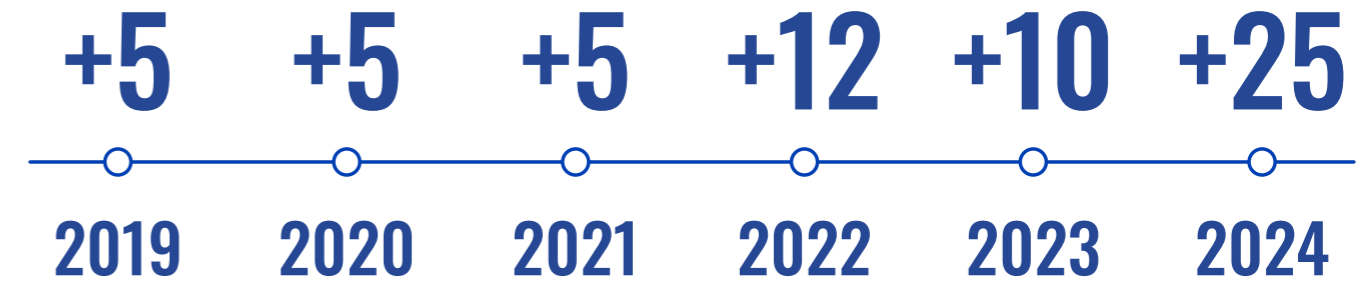
We not only work but also live to help and share kindness to the people, especially to those who need our help the most. We are keeping our values by continuously and courageously creating synergy between Teltonika and business partners, as well as clients.

# WHAT WE OFFER?

Our industrial routers, gateways, Ethernet switches, access points, modems, and remote management system are made with engineer

needs, mindset, and workflow in mind. These reliable networking equipment are made to last, perform, and bring your IoT vision to life.

# GROWING PORTFOLIO



## Reliable

Industrial-grade networking devices designed for durability and uninterrupted connectivity in the most rigorous environments.

## Secure

Maximum security ensured by regular safety audits, firmware updates, and vulnerability management by our dedicated cybersecurity team.

## Easy to use

High in simplicity and functionality, our products are engineered for professional applications without requiring any special training.

# HOLISTIC APPROACH

From concept to finished product, our networking products are designed, developed, and manufactured in-house in our manufacturing

facility in Lithuania, guaranteeing the highest European quality with maximum flexibility.



**8 cutting-edge SMT lines**

**100+ automation robots**

**Millions of products produced yearly**

## Expertise

Over 25 years of market expertise in reliably enabling industrial IoT and M2M solutions worldwide.

## Flexibility

Highly customisable products that adapt to your solution's needs.

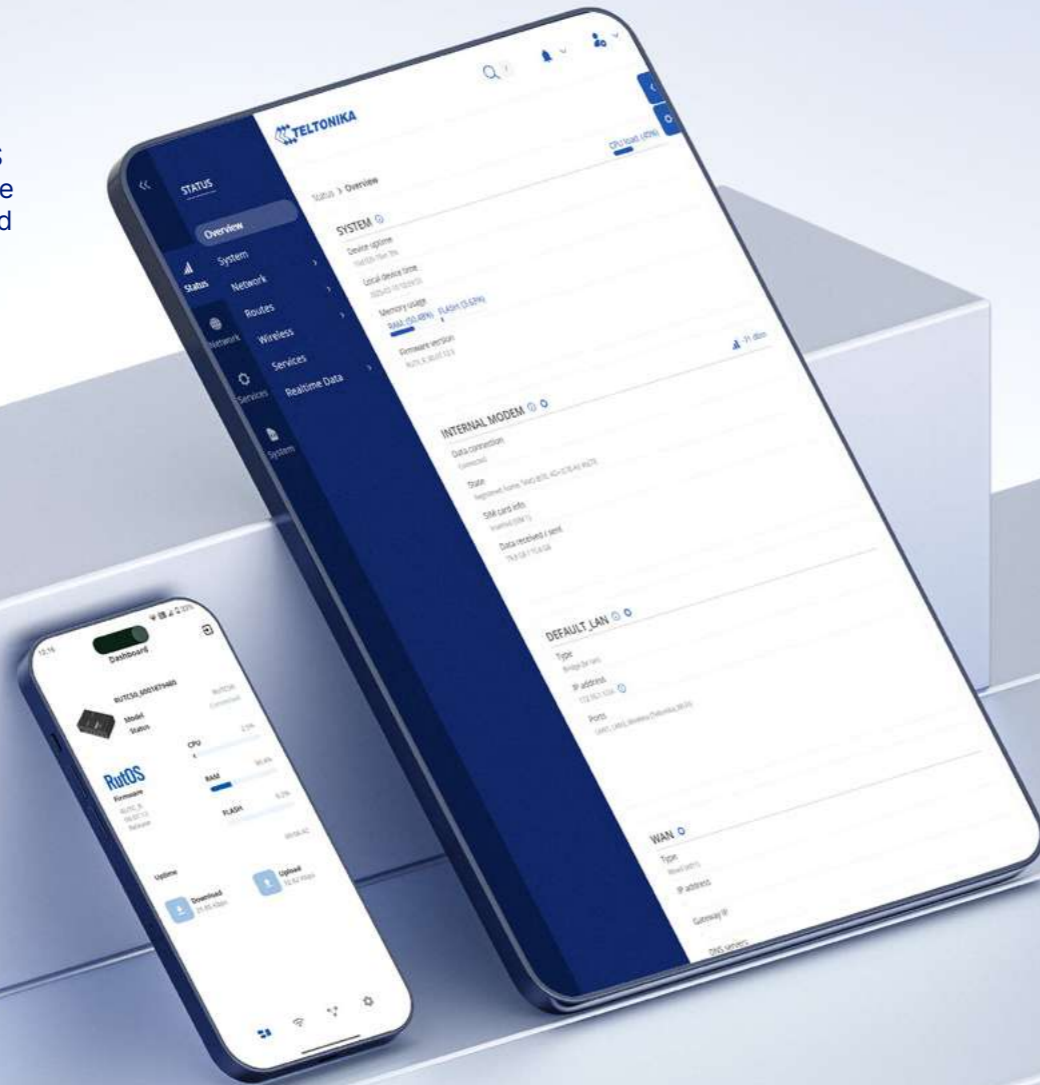
## Assurance

Full and precise quality assurance in every step of production thanks to in-house design, development, and manufacturing.



# RUTOS

OpenWRT-based Linux OS designed for engineer ease of use, customisability, 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 customisable UX for simple yet comprehensive management

### Mobile

|                              |  |
|------------------------------|--|
| Mobile modes                 | Bridge, Passthrough, NAT   |
| Mobile features              | Auto SIM switching, SMS & call control, SMS relays, SIM idle protection, framed routing                |
| Mobile communication control | Operator black/white list (by country or separate operators), band lock, auto APN, multiple PDNs, USSD |

### Wireless

|                   |  |
|-------------------|--|
| Wireless modes    | Access point (AP), station (STA), wireless mesh (802.11s), fast roaming (802.11r), Relayd, BSS transition management (802.11v), radio resource measurement (802.11k)                         |
| Wireless security | WPA2-Enterprise - PEAP, WPA2-PSK, WPA-EAP, WPA-PSK, WPA3-SAE, WPA3-EAP, OWE; AES-CCMP, TKIP, auto-cipher modes, client separation, EAP-TLS with PKCS#12 certificates, disable auto-reconnect |

### Network

|                       |  |
|-----------------------|--|
| Connection monitoring | Ping reboot, Wget reboot, periodic reboot, LCP and ICMP for link inspection  |
| Networking            | VoIP passthrough support, connection monitoring, firewall, firewall status page, ports management, network topology, DHCP, QoS / Smart Queue Management (SQM), DDNS, Network backup, load balancing, hotspot, SSHFS, VRF support |
| Routing               | Static routing, dynamic routing (BGP, OSPF v2, RIP v1/v2, EIGRP, NHRP), policy-based routing   |

### Security

|                   |   |
|-------------------|---|
| Security basics   | Preconfigured and customisable firewall, web filtering, DMZ, user control, firewall status  |
| VPN and tunneling | OpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard, Tinc, Tailscale   |
| Authentication    | Pre-shared key, digital certificates, X.509 certificates, TACACS+, Radius, IP & login attempts block, time-based login blocking, built-in random password generator |

### Services

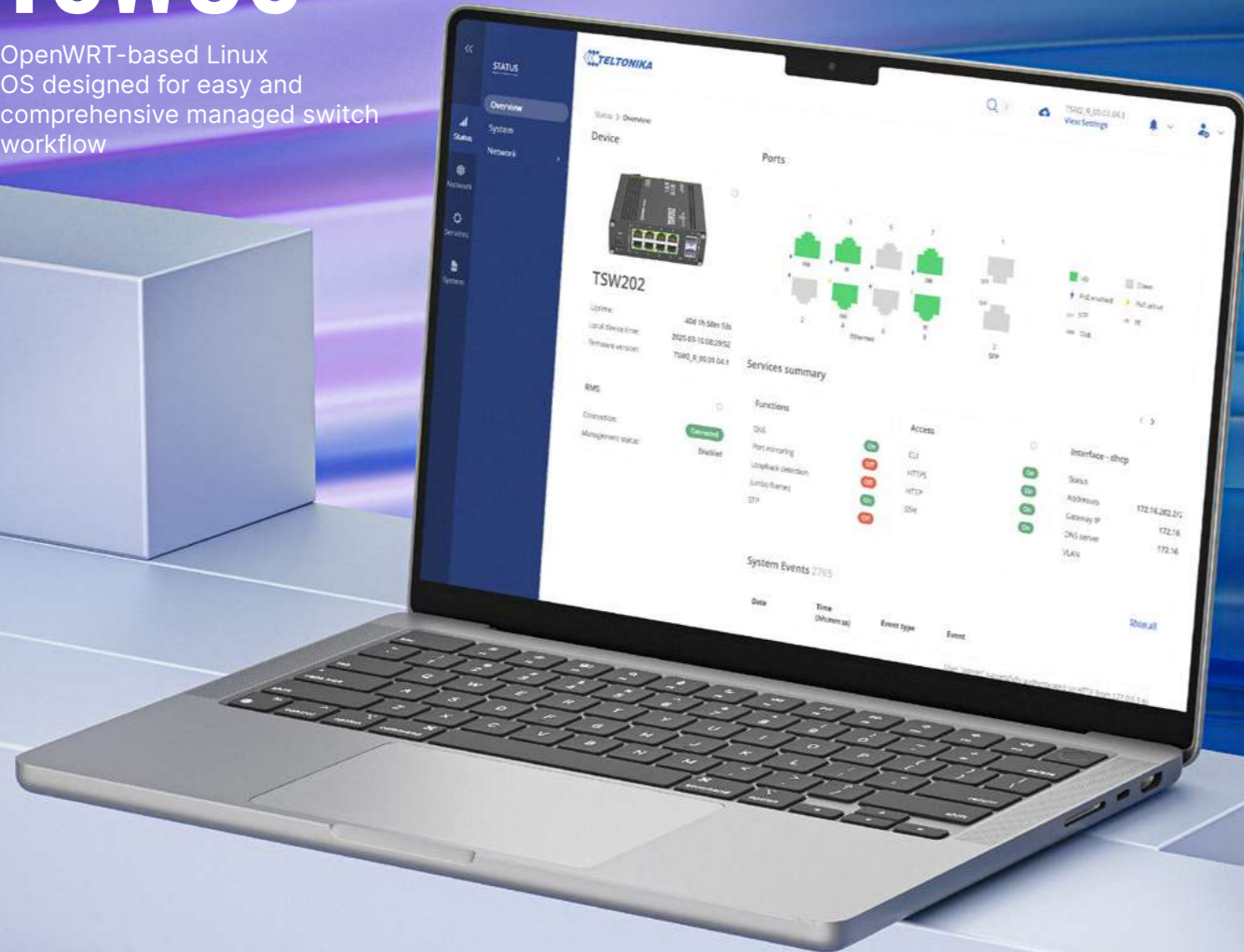
|                            |   |
|----------------------------|---|
| Time sync services         | NTP (server, client), GNSS, Mobile operator   |
| Other services             | Data to server, I/O control, location services, WoL, network topology                               |
| Industrial protocols       | MODBUS (supported connection types RTU (RS232, RS485), TCP, USB), BACnet, DNP3, M-Bus, OPC UA, DLMS |
| Communication & monitoring | JSON-RPC, MQTT (broker, publisher, subscriber, Azure MQTT, Kinesis), SNMP, SSH, TR-069, WEB UI, CLI |
| Serial modes               | Console, serial and M-Bus over IP, modem, Modbus gateway, NTRIP                                     |
| USB services               | Samba share, USB-to-serial, storage memory expansion, printer server, DLNA                          |
| 3rd party cloud support    | Azure IoT Hub, AWS IoT Greengrass, Cloud of Things, Cumulocity, ThingWorx                           |

### Customisation

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

# TSWOS

OpenWRT-based Linux OS designed for easy and comprehensive managed switch workflow



## Seamless

Numerous DHCP options for enhanced network stability and control

## Secure

Comprehensive authentication features for enhanced security and access control

## Reliable

Remote port management, ensuring uninterrupted network performance

### Services

|                     |   |
|---------------------|---|
| Supported protocols | EtherNet/IP, Profinet (class B), SNMP V2, V3, LLDP, and more      |
| Network management  | 802.1p CoS, 802.1x port-based network access control, 802.1Q VLAN |

### Network

|               |  |
|---------------|--|
| MRP           | MRP client/server  |
| L2 features   | Loop protection, forwarding table, VLAN, STP/RSTP  |
| L3 features   | Static IPv4 routing, static IPv6 routing, DHCPv6 client, static IPv6 address                                 |
| DHCP          | DHCP client/server, static leases, and MAC with wildcards  |
| Port settings | Enable/disable, link speed control, port isolation, PoE management, EEE (802.3az) management, port mirroring |

### Security

|                |  |
|----------------|--|
| Authentication | PAM, Radius & TACACS+, IP & login attempts block |
|----------------|--|

### QoS

|                   |  |
|-------------------|--|
| QoS               | Port priority, DSCP priority, 802.1p priority, ToS |
| Scheduling        | SP/WFQ/WRR   |
| Bandwidth control | Rate limiting, storm control                       |
| Traffic shaper    | Port-based shaping                                 |

### Diagnostics

|             |  |
|-------------|--|
| Tools       | Cable diagnostic, ping, traceroute, nslookup |
| Ping reboot | Port-specific PoE reboot                     |



# RMS

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

## Customise

Adaptable interface and functionality to best fit your needs

## Integrate

API support for integrating RMS into your solution

## Management

Gain complete and secure control over your fleet of Teltonika networking devices—no public IP needed

## Connect

Secure your entire remote infrastructure quickly and easily with robust VPN connections

## VPN

Reach and remotely control your end devices connected to RMS-compatible devices

### Security

Developed in-house, RMS ensures secure communication and data integrity by adhering to the strictest privacy and cybersecurity standards set by the European Union

### Hosting

Hosted on AWS: a leading cloud server synonymous with security, scalability, and high availability

### Applications

RMS VPN for direct VPN access and automatic client syncing

Mobile app for iOS and Android

Teltonika ID for two-factor authentication

### Pricing

Long-term or flexible licensing options for modular and cost-effective pricing

### Customisation

Adapt RMS to your solutions using custom control functions, alerts, and automation schemes

### Capabilities

Full management capabilities of supported Teltonika networking devices, including remote onboarding, custom alarms, firmware updates, automatic backups, performance analysis, and more

Secure and direct access to third-party devices via RMS Connect or VPN

### Availability

RMS is free to start: creating an RMS account, adding Teltonika networking devices, and testing its capabilities can all be done free of charge

NETWORK SEGMENTATION ROUTERS

# RUT1 SERIES

Flawless network segmentation



## COMMON FEATURES

### NAT functionality

Perfect for network segmentation

### Connectivity

2 × 10/100 Mbps Ethernet ports, Wi-Fi 4

### Power input

1 × 3-pin tailored for industrial use

### Quick & easy

Simple installation with an integrated DIN rail bracket



## RUT140

Compact, easy, and affordable



## RUT142

Compact & tailor-made for RS232 communication

## IDEAL FOR

### Network segmentation

Acting as boundary devices for isolated networks within an existing infrastructure, ensuring both network security and controlled external access

### Production line connectivity

Easy connection of each production line to a separate network, enhancing security, optimising traffic, and ensuring smooth data flow

### Legacy equipment connectivity

Easy connection of legacy equipment, including CNC machines, PLCs, medical equipment, and more



## 3-PIN CONNECTOR INCLUDED







SINGLE-SIM CELLULAR ROUTERS

# RUT2 SERIES

Seamless cellular connectivity  
for everyday solutions

## COMMON FEATURES

### Single-SIM LTE

4G LTE, backward compatible with 3G

### WAN failover

Automatically switches to an available backup connection

### Interfaces

2 × 10/100 Mbps Ethernet ports, digital I/Os

### Wi-Fi

2.4 GHz (b/g/n), wireless AP with hotspot



## RUT200

Affordable Cat 4 all-star for select regions



## RUT241 eSIM™

Industrial Performer with Seamless eSIM™ Connectivity



## RUT241

Affordable Cat 4 all-star, available globally



## RUT260

LTE Cat6 speeds in your pocket

### IDEAL FOR

#### POS systems

Seamless connectivity in retail, restaurants, hotels, or any mobile businesses

#### Digital service hubs

Reliable connectivity for digital signage displays and interactive self-service terminals, such as parcel or vending machines





# RUT206

Compact & versatile

## IDEAL FOR

### Industrial automation

Easy connection to industrial equipment, including PLCs, sensors, and more

### Smart traffic control

Active & passive PoE for simplified installation with reduced cabling

### Renewable energy & utilities

Support of key interfaces and protocols for seamless equipment connection



## FEATURES

### LTE Cat 4

4G, backward compatible with 3G/2G

### Interfaces

Ethernet, RS232 & RS485

### Power input

1 × 2-pin tailored for industrial use

### PoE

Active & passive

# ENDLESS USE CASES

Explore the catalogue now!





INDUSTRIAL ROUTERS

# RUT3 SERIES

Comprehensive cellular & Ethernet capabilities

## COMMON FEATURES

### VPN support

GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, Tinc & more

### RMS

Compatible with our Remote Management System

### Configurable I/Os

2 x configurable digital I/Os

### Durable

Rugged aluminium housing withstanding -40 °C to 75 °C

## RUT301

Ethernet connectivity with versatile interfaces

## RUT361

361° of LTE Cat 6 & Wi-Fi connectivity

### IDEAL FOR

#### Sustainable energy

Easy monitoring of wind turbines, solar panels, and other infrastructure in remote, rural, or offshore locations

#### Smart city applications

Reliable connectivity for CCTV cameras, traffic management systems, billboards, digital signage, retail applications, and more

#### Smart agriculture

Seamless connectivity for remote farm management, from monitoring crops and livestock to automated feeding and controlling climate systems



EXPERT  
REMOTE  
MANAGEMENT





DUAL-SIM CELLULAR ROUTERS

# RUT9 SERIES

Dual-SIM for uninterrupted connectivity

**COMMON FEATURES**

**Dual-SIM**

With auto-failover and backup WAN

**LTE Cat 4**

4G, backward compatible with 3G/2G

**Ethernet**

4 × 10/100 Mbps Ethernet ports

**Wi-Fi**

2.4 GHz (b/g/n), wireless AP with hotspot



## RUT901

All-reliable cellular router for select regions



## RUT951

All-reliable cellular router, available globally



## RUT906

Master of interfaces for select regions, including RS232 and RS485



## RUT956

Master of interfaces available globally, including RS232 and RS485

**IDEAL FOR**

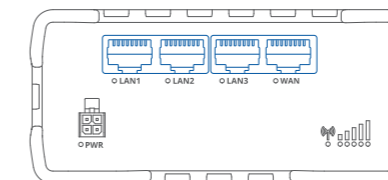
**Industrial applications**

Designed for reliable performance in industrial environments, including wide protocols support and DIN rail mounting

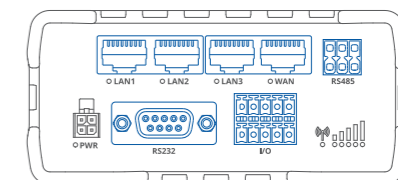
**Remote monitoring & management**

Seamless connectivity for remote applications, including pop-up stores, precision machinery, remote mining operations, and mobile agricultural equipment

## VERSATILE INTERFACES, UNLIMITED POTENTIAL



\*RUT901 & RUT951



\*RUT906 & RUT956

INDUSTRIAL ROUTERS

# RUTM SERIES

For power, speed & versatility



## COMMON FEATURES

### Gigabit Ethernet

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

### Interfaces

Including digital I/Os & USB

### VPN

Including OpenVPN, IPsec, PPTP, L2TP & DMVPN

### RMS

Compatible with our Remote Management System



Ethernet connectivity with 4x Gigabit Ethernet



Ethernet connectivity with Dual-Band Wi-Fi



Wired-only Cat 6 connectivity



Cat 6 with Dual-Band Wi-Fi

## IDEAL FOR

### Urban development

Secure and stable connectivity for surveillance systems, traffic monitoring, elevator systems, and other urban spaces and applications

### Enterprise

Reliable Internet access combined with VPN support, traffic management, and other advanced features ensuring smooth operation and security



## YOUR MULTITOOLOO FOR NETWORKING MASTERY



EXPERT INDUSTRIAL ROUTERS

# RUTX SERIES

High-performance optionality

## COMMON FEATURES

### Connectivity

4G cellular, Ethernet & wireless routers

### Interfaces

Including Gigabit Ethernet, digital I/Os & USB

### RMS

Compatible with our Remote Management System

### RutOS

Feature-rich operating system with advanced security features

## RUTX08

Ethernet connectivity with 4x Gigabit Ethernet

## RUTX12

Dual Cat 6 modems with simultaneous connections

## RUTX09

Wired-only Cat 6 connectivity

## RUTX14

Cat 12 with up to 600 Mbps

## RUTX10

Ethernet connectivity with Bluetooth and Dual-Band Wi-Fi

## RUTXR1

Rack-mountable Cat 6 with SFP port & dual power supply

## RUTX11

Cat 6 with Bluetooth and Dual-Band Wi-Fi

### IDEAL FOR

#### Retail

Seamless connectivity for POS systems, interactive kiosks, self-service and parcel terminals, vending machines, and more

#### Public transportation

Reliable wireless connectivity for personnel, passengers, and on-board devices such as GPS trackers, ticketing terminals, and more

DUAL MODULES,  
SINGULAR BRILLIANCE





REDUCED CAPABILITY 5G ROUTERS

# REDCAP SERIES

Higher Flexibility & Lower Cost

## COMMON FEATURES

### RedCap 5G

Low latency, high capacity, affordable pricing

### Future-proofing

Backward compatible with 4G LTE Cat 4

### Wi-Fi

Wireless access point with hotspot functionality

### WAN failover

Automatic switching to available backup connection



## RUT271

Compact & affordable 5G RedCap



## RUT976

5G RedCap master of interfaces

## IDEAL FOR

### Private networks

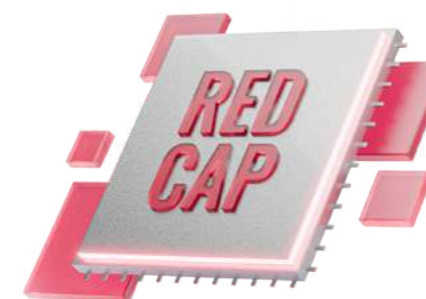
balancing costs, performance, and efficiency while retaining the advantages of 5G technology.

### Industrial IoT applications

Enabling low-latency connections for industrial machines, sensors, and devices needing reliable communication with minimal data throughput.

### Smart city

Optimised surveillance cameras, street lighting, parking sensors, traffic management systems, and other smart city applications.



# ENTER A REDCAP 5G WORLD



5G CELLULAR ROUTERS

# 5G SERIES

The 5G evolution of connectivity

**COMMON FEATURES**

- 5G**  
Ultra-high cellular speeds over 3 Gbps
- Dual-SIM**  
Auto-failover, backup WAN, and other switching scenarios
- SA & NSA**  
Supports both 5G architectures
- Future-proofing**  
Backward compatible with 4G (LTE Cat 12, 19, 20) and 3G

 **RUTX50**  
5G powerhouse for worldwide industrial applications

 **RUTM54**  
5G router with a US-made Telit modem

 **RUTM50**  
5G powerhouse for the North American and Japanese markets

 **RUTM59**  
Always-on 5G connectivity

 **RUTM51**  
MVP of 5G affordability

**IDEAL FOR**

- Mobile & temporary deployments**  
Pop-up stores, event venues, outdoor festivals, construction sites, and other locations requiring reliable and quick-to-deploy connectivity
- Travel & tourism**  
Perfect for solutions requiring on-the-go, high-speed connectivity, suitable for travel agencies, cruise ships, RVs, and boats



HARNESS THE POWER OF 5G NETWORKS



# RUTC50

Your 5G wireless multitool

## IDEAL FOR

### Public transportation

Reliable wireless connectivity for personnel, passengers, and on-board devices such as GPS trackers, ticketing terminals, and more

### Pop-up events

Reliable connectivity in pop-up events and uninterrupted event streaming capabilities

### Smart city applications

Reliable connectivity for CCTV cameras, traffic management systems, billboards, digital signage, retail applications, and more



## FEATURES

### 5G

Ultra-high cellular speeds of up to 3.4 Gbps

### Wi-Fi 6

Dual-band multi-user MIMO wireless capabilities

### Processing power

1.3 GHz, dual-core ARM Cortex-A53 CPU

### Dual-SIM

With auto-failover, backup WAN, and other switching scenarios

# RUTM52

Dual 5G for ultra-high speeds

## IDEAL FOR

### First responders

Dual 5G connectivity ensures reliable, real-time communication and seamless operation of critical devices like body cameras, GPS systems, and medical equipment

### Live streaming

Provides reliable, high-speed, and low latency 5G connectivity for uninterrupted broadcasts and stable performance in demanding network conditions



## FEATURES

### Dual 5G modems

Double the cellular speeds and always-on connection

### Dual-SIM & eSIM™

With auto failover, backup WAN and other switching scenarios

### SA & NSA

Supports both 5G architectures

### Future-proofing

Backward compatible with 4G (Cat 20)

OUTDOOR ROUTERS

# OTD SERIES

Go outdoors & brave the elements

COMMON FEATURES

### Outdoor router

IP55 durability for outdoor deployment

### Dual-SIM

Auto failover and other switching scenarios

### PoE

Streamlined powering options

### Easy mounting

Integrated mounting bracket



## OTD140

Outdoor 4G router



## OTD500

Outdoor 5G router with eSIM

IDEAL FOR

### Construction sites

Reliable connectivity for portable offices, trailers, and CCTV cameras under rainy and dust-exposed environmental conditions

### Remote outdoor monitoring

Suitable for all kinds of remote outdoor projects monitoring solar panels, pipelines, offshore installations, and more

### Rural & remote areas

Connectivity for farms, cabins, and rural businesses, ensuring seamless Internet access and device integration even in harsh outdoor conditions



# CONNECTIVITY THAT BRAVES THE ELEMENTS



SINGLE-SIM GATEWAYS

# TRB1 SERIES

Mission-focused gateways

## COMMON FEATURES

### Perfect interface

Each device is tailor-made to support a specific interface

### 4G LTE

LTE Cat 1, Cat 4, and Cat 6 single-SIM cellular gateways

### Industrial-grade

Compact, durable, and designed for industrial applications

### RMS

Compatible with our Remote Management System

## TRB140

Your LTE Cat 4 gateway to connectivity with Gigabit Ethernet

## TRB143

M-Bus for seamless telemetry

## TRB141

Your compact gateway to connectivity – with I/Os!

## TRB145

RS485 for multipoint communication

## TRB142

RS232 for point-to-point communication

## TRB160

Your LTE Cat 6 gateway to connectivity with Gigabit Ethernet

## IDEAL FOR

### Smart metering

Two-way communication between smart meters and central systems for easy, real-time telemetry

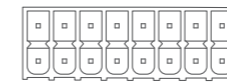
### Remote monitoring & management

Reliable, 24/7 monitoring and management of equipment, infrastructure, and environmental conditions

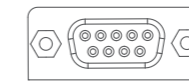
## YOUR NEEDS, YOUR SOLUTION



TRB140  
Ethernet



TRB141  
I/O



TRB142  
RS232



TRB143  
M-Bus



TRB145  
RS485



TRB160  
USB Type-C



DUAL-SIM GATEWAYS

# TRB2 SERIES

Dual-SIM gateways for uninterrupted connectivity

COMMON FEATURES

### Uninterrupted 4G

Dual-SIM with auto-failover and backup WAN

### Interfaces

1 x Ethernet port, configurable I/Os, RS232, RS485

### Compact

All you need, right in your pocket

### GNSS

Location services and time synchronisation

## TRB246

LTE Cat 4, backward compatible with 3G/2G

## TRB256

LTE Cat 1/NB-IoT & 450 MHz support

IDEAL FOR

### Real-time telemetry

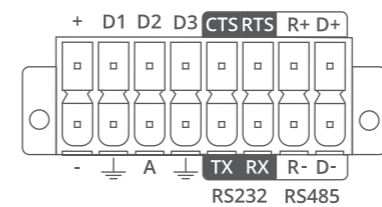
Reliable connectivity for real-time data collection and transmission to and from remote equipment

### Utilities

Expert and secure utilities system management, real-time data gathering from energy meters, and predictive maintenance

### Industrial applications

RS232 and RS485 for easy connectivity in industrial machinery, such as PLCs, CNC machines, and more



GREATER RANGE,  
BROADER APPLICATION



# NTP001

Low-cost Stratum-1 NTP server

IDEAL FOR

## Time synchronisation

Synchronising accurate, UTC-traceable time in both public and private networks



FEATURES

### Network time synchronisation

Accurate & low-cost NTP server

### Multiple interfaces

Featuring RJ45, RS232, RS485 & I/Os

### Security

Authentication, access control & more

### Plug-and-play

Simple installation & configuration at minimum effort



# TRB500

Your gateway to a 5G world

IDEAL FOR

## Automation

Maximum throughput at minimum latency for automation solutions demanding precision and high-speed processing

## Smart agriculture

Enhancing operational efficiency in agriculture applications and enabling increased scalability of smart machines



FEATURES

### 5G

5G SA/NSA, backward compatible with LTE Cat 20 & 3G

### Throughput

Ultra-high cellular speeds of up to 1 Gbps

### Low latency

Single-digit latency for mission-critical applications

### Compact

Smallest 5G gateway on the market



UNMANAGED ETHERNET SWITCHES

# TSW0 SERIES

Unmanaged switches for zero-hassle deployment

**COMMON FEATURES**

**Ethernet**

5 to 8 10/100 Ethernet ports

**2-pin power**

Simple and suitable for industrial applications

**Easy mounting**

Integrated DIN rail bracket for plug-and-play deployment

**Industrial design**

Anodised aluminium housing and panels

 **TSW010**

Cover your switch basics effortlessly

 **TSW030**

8 ports, endless possibilities

 **TSW040**

8 PoE+ ports for power & connectivity

**IDEAL FOR**

**Water & wastewater management**

Remote management and control of water treatment plants, pump stations, sewage systems, and more

**Factory floor automation**

Facilitates automation processes via connectivity for PLCs, sensors, actuators, and other industrial devices

**PoE lighting**

Centralised control and reconfiguration flexibility for smart lighting systems



**AFFORDABLE INDUSTRIAL SWITCHES**



5-PORT UNMANAGED SWITCHES

# TSW1 SERIES

Unmanaged switches with Gigabit versatility

**COMMON FEATURES**

**Plug-and-play**

No additional configuration needed, no time wasted

**Easy mounting**

Multiple DIN rail mounting options

**Ethernet**

5 x Gigabit Ethernet

**Durable**

Rugged aluminium housing withstanding -40 °C to 75 °C

 **TSW100**

4 PoE+ ports for your powering needs

 **TSW110**

For your 5-port solution needs

 **TSW101**

Tailor-made for automotive solutions

 **TSW114**

5 ports & integrated DIN rail bracket

**IDEAL FOR**

**Smart building management**

Connect your smart lighting, HVAC systems, occupancy sensors, and other devices

**Mobile/autonomous surveillance systems**

Connect your IP cameras, recording devices, and other devices for real-time monitoring and enhanced security

**Industrial automation**

High-speed connectivity for PLCs, HMI panels, industrial robots, and other automation and manufacturing devices



SWITCH TO  
AUTOMOTIVE  
PoE



8-PORT UNMANAGED SWITCHES

# TSW2 SERIES

Gigabit network distribution

## COMMON FEATURES

### Plug-and-play

No additional configuration needed, no time wasted

### SFP

2 x SFP for long-range fibre-optic communication

### Ethernet

8 x Gigabit Ethernet

### Easy mounting

Integrated DIN rail bracket

## TSW200

8 PoE+ Ethernet & 2 SFP for maximum efficiency

## TSW210

8 Ethernet, 2 SFP, zero hassles

## IDEAL FOR

### Surveillance power hub

Connect your IP cameras, NVRs, and access control systems in surveillance deployments

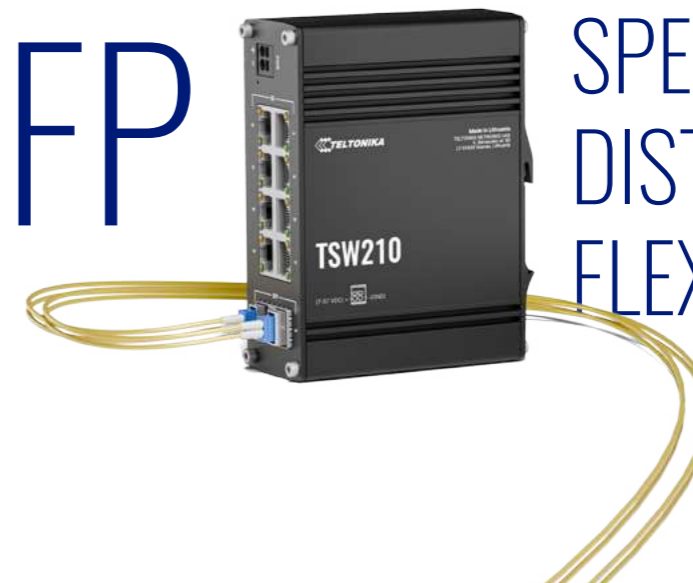
### Smart agriculture

Connect your soil moisture sensors, weather stations, and irrigation controllers via simple setup and operation

### Energy storage systems

Seamless communication between solar panels and energy storage systems

# SFP



# SPEED, DISTANCE, FLEXIBILITY





8-PORT MANAGED SWITCHES

# TSW2 SERIES

Managed switches for expert applications

## COMMON FEATURES

### Managed

L2 managed switches with L3 features

### Protocol support

PROFINET, Ethernet/IP, LLDP, MRP, SNMP V2/V3, and more

### SFP & Ethernet

8 x Gigabit Ethernet and 2 x SFP

### TswOS

Custom OS tailor-made for managed switches

## TSW202

Network control with PoE+ capabilities

## TSW212

For your advanced network control needs

### IDEAL FOR

#### Manufacturing

Upgrade production lines to improve efficiency and reduce downtime

#### Highway tunnel infrastructure

Pivotal for ensuring continuous operation and safety via MRP support

#### Traffic control systems

Remote monitoring and management of traffic flow, signals, and surveillance cameras



CERTIFIED BY





# TSW304

Tiny switch for big ambitions

## IDEAL FOR

Emergency services  
& public safety

Ensures the resilience and continuity of communication systems during emergencies or power outages



## FEATURES

### Extra tiny

Only 102 × 25 × 81.5 mm

### Powering

Can be powered via DC, AC, or Ethernet

### Gigabit Ethernet

4 x Gigabit Ethernet ports

### Durable

Shock-resistant aluminium housing

# RATHER WATCH?

Explore our YouTube channel





# TSF010

Flat switch with deep functionality

IDEAL FOR

Narrow & tight-space applications

Provides network connectivity for solutions low on space, such as information kiosks, digital signage displays, and ticketing machines



FEATURES

### 3-pin power

Flexible and tailor-made for industrial use

### Flat & compact

Flat and compact design weighing only 142 g

### Easy mounting

Integrated DIN rail bracket for plug-and-play deployment

### 7-57 VDC

Suitable voltage range for industrial applications

INDUSTRIAL CELLULAR MODEMS

# TRM2 SERIES

Connectivity – simple as that.



## TRM200

LTE Cat 4 backward compatible with 3G/2G



## TRM240

LTE Cat 1, backward compatible with 3G/2G



## TRM250

LTE Cat M1/NB-IoT, backward compatible with 2G

COMMON FEATURES

### Plug-and play

No additional configuration needed, no time wasted

### Micro USB

Powered via Micro USB

### Industrial-grade

Compact and durable devices with low power consumption

### 4G

Single-SIM 4G modems





# TRM500

5G connectivity – simple as that.



## FEATURES

### 5G

Ultra-high cellular speeds of up to 3.4 Gbps

### Future-proofing

Backward compatible with 4G (Cat 19) and 3G

### USB Type-C

For simultaneous network data and powering

### Compact

Small size, easy installation

# YOUR CUSTOM PRODUCT

Let's make your dream device a reality!





Wi-Fi ACCESS POINTS

# TAP SERIES

Seamless access, simple point

## COMMON FEATURES

### PoE-in

Can be powered via PoE

### Sleek & easy

UV-stabilised plastic housing and integrated mounting bracket

### RMS

Free access to RMS Management for 24 months

### Wi-Fi

802.11r, 802.11k, and 802.11v fast roaming support

## TAP100

Wi-Fi 4 for enhanced wireless coverage

## TAP200

Wi-Fi 5 for enhanced wireless coverage in small & medium spaces

## IDEAL FOR

### Public spaces

Extends wireless coverage in larger areas, such as shopping malls, universities, airports, event venues, and more

### People-counting solutions

Detection of Wi-Fi-enabled devices for people counting and motion analysis for establishing foot traffic patterns

### Enterprise connectivity

Ensures reliable Wi-Fi connectivity in all areas, including meeting rooms, offices, and common areas



# EASY ACCESS, EASIER MOUNTING

INDUSTRIAL ACCESS POINTS

# DAP SERIES

Industry-tailored wireless access



## COMMON FEATURES

### Wireless

Seamless Wi-Fi 4 with Wi-Fi mesh & Fast Roaming

### Ethernet

2 × 10/100 RJ45

### Power input

1 × 3-pin tailored for industrial use

### Easy mounting

Integrated DIN rail bracket for plug-and-play deployment



## DAP140

Industrial, compact & affordable



## DAP142

Industrial, compact & affordable—with RS232

## IDEAL FOR

### Smart factory

Seamless connectivity for automation systems and equipment, boosting efficiency and enabling real-time monitoring

### Industrial Wi-Fi mesh

Reliable wireless network with maximum coverage across large industrial spaces

### Legacy equipment

Easy connection to legacy equipment, including CNC machines, PLCs, medical equipment, and more



# PERFECT FOR WI-FI MESH NETWORKS

# OUTDOOR ANTENNAS

Ultimate outdoor coverage



## COMMON FEATURES

### IP67

Water and dust-resistant for ultimate outdoor reliability

### Omnidirectional

Designed for reliable signal coverage from every direction

### Mounting bracket

Quick and easy pole/mast mounting

### Perfect match

Compatible and designed to contain select Teltonika routers

### FOR RUTX11 & RUTM11

4G, Wi-Fi, GPS & Bluetooth  
Order code: PR1IC970

### FOR RUTX50 & RUTM50

5G/4G, Wi-Fi & GPS  
Ordering: PR1ICA70

### FOR RUT2 SERIES

4G & Wi-Fi  
Order code: PR1IC860

### FOR RUT9 SERIES

4G, Wi-Fi & GPS  
Order code: PR1ICC60



## SEAMLESS DEVICE INTEGRATION



# ACCESSORIES

A wide selection of industrial-grade accessories to perfect your networking solutions, including antennas, power supply adapters, and mounting solutions designed for optimal compatibility.

Can't find what you're looking for? Let us know and we'll get your fix.

## POWERING OPTIONS



**2-PIN POWER SUPPLY, 130W**  
EU: PR318EUA / AU: PR313AU3



**2-PIN POWER SUPPLY, 250W**  
EU: PR320EUA / AU: PR320AUA  
US: PR320USA / UK: PR320UKA



**2-PIN POWER SUPPLY, 62W**  
EU: PR317EUA / AU: PR317AUA  
US: PR317USA / UK: PR317UKA



**2-PIN POWER SUPPLY, 9W**  
EU: PR3PREU6 / AU: PR3PRAU6  
US: PR3PRUS6 / UK: PR3PRUK6



**DIN RAIL POWER SUPPLY, 15W**  
Order code: PR321NP0



**DIN RAIL POWER SUPPLY**  
Order code: PR3PDNP0



**POWER SUPPLY, 130W**  
EU: PR313EU3 / AU: PR313AU3  
US: PR313US3 / UK: PR313UK3



**POWER SUPPLY, 18W**  
EU: PR3PXEU3 / AU: PR3PXAU3  
US: PR3PXUS3 / UK: PR3PXUK3



**4-PIN TO 4-PIN POWER CABLE**  
Order code: PR2PP10B



**4-PIN PLUG WITH CONTACT TERMINALS**  
Order code: PR4MK04K



**4-PIN POWER ADAPTER WITH I/O ACCESS**  
Order code: PR5MEC21



**4-PIN TO BARREL SOCKET ADAPTER**  
Order code: PR2PD01B



**UNIVERSAL POWER SUPPLY, 24W**  
Order code: PR315PS3



**SINGLE PORT GIGABIT PoE INJECTOR**  
EU: PR322EU7 / UK: PR322UK7



**EU SINGLE PORT 10/100 MBPS PASSIVE PoE INJECTOR, 19 W**  
Order code: PR323EUB



**EU SINGLE PORT GIGABIT PASSIVE PoE INJECTOR, 24 W**  
Order code: PR324EUB



**AUTOMOTIVE POWER SUPPLY**  
Order code: PR2AM20M



**BAT120 POWER SUPPLY**  
Order code: BAT120000000



**POWER CABLE WITH 4-WAY OPEN WIRE**  
Order code: PR2PL15B



**POWER CABLE WITH 4-WAY SCREW TERMINAL**  
Order code: PR2FK20M



ANTENNA OPTIONS



**Wi-Fi MAGNETIC SMA ANTENNA**  
Order code: PR1KRF30



**5G COMBO MIMO MOBILE/GNSS/Wi-Fi ROOF SMA ANTENNA**  
Order code: PR1KC640



**5G MOBILE MAGNETIC SMA ANTENNA**  
Order code: PR1KS536



**5G MOBILE SMA ANTENNA**  
Order code: PR1US540



**COMBO QUAD MOBILE/GNSS ROOF SMA ANTENNA**  
Order code: PR1KCL28



**COMBO SISO MOBILE/GNSS/Wi-Fi ROOF SMA ANTENNA**  
Order code: PR1KCS28



**MOBILE SMA ANTENNA WITH 450 MHz**  
Order code: PR1US740



**SMA CABLE EXTENSION**  
Order code: PR2VM20M



**ANGLED COMPACT MOBILE ANTENNA**  
Order code: PR1US450



**BLUETOOTH MAGNETIC SMA ANTENNA**  
Order code: PR1KRT25



**STRAIGHT COMPACT MOBILE ANTENNA**  
Order code: PR1CS450



**GNSS ADHESIVE SMA ANTENNA**  
Order code: PR1KSG30



**5G COMBO MIMO MOBILE ROOF SMA ANTENNA**  
Order code: PR1KC647



**5G COMBO MIMO MOBILE/GNSS ROOF SMA ANTENNA**  
Order code: PR1KC149

MOUNTING OPTIONS



**SURFACE MOUNTING KIT**  
Order code: PR5MEC12



**COMPACT DIN RAIL KIT**  
Order code: PR5MEC11



**DIN RAIL KIT ADAPTER**  
Order code: PR5MEC23



**DIN RAIL KIT**  
Order code: PR5MEC00



**MOBILE ADHESIVE SMA ANTENNA**  
Order code: PR1AS420



**Wi-Fi DUAL-BAND SMA ANTENNA**  
Order code: PR14RD35



**MOBILE MAGNETIC SMA ANTENNA**  
Order code: PR1KS210



**MOBILE SMA ANTENNA**  
Order code: PR1US440



**Wi-Fi DUAL-BAND MAGNETIC SMA ANTENNA**  
Order code: PR1KRD30



**Wi-Fi SMA ANTENNA**  
Order code: PR1URF51



**COMBO MIMO MOBILE/GNSS/Wi-Fi ROOF SMA ANTENNA**  
Order code: PR1KCO28



**COMBO MIMO MOBILE ROOF SMA ANTENNA**  
Order code: PR1KCL25



**TSW1-SERIES REAR PANEL WITH DIN RAIL HOLDER**  
Order code: PR5MEC24



**RACK MOUNTING KIT**  
Order code: PR5MEC26



**SURFACE CLIP HOLDER KIT**  
Order code: PR5MEC22



**TSW2-SERIES REAR PANEL WITH DIN RAIL HOLDER**  
Order code: PR5MEC25

OTHER



**2x3-PIN CONNECTOR**

Order code: PR4RS06K



**2x8-PIN CONNECTOR**

Order code w/ screws: PR4IO17K  
Order code w/o screws: PR4IO16K



**CONSOLE CABLE 1.8M**

Order code: PR2UR18M



**ETHERNET CABLE 1.5M**

Order code: PR2LA15B



**USB 2.0 TYPE-A TO MICRO USB TYPE-B CABLE**

Order code: PR2US08M



**CONNECTOR SET**

Order code: PR5MEC15



**SIM ADAPTER KIT**

Order code: PR5MEC19



**DUST COVERS**

Order code for RJ45: PR5MEC32  
Order code for SFP: PR5MEC33

# DEVICE COMPARISON

**PRODUCT KEY FEATURES**

|                       | RUT140 | RUT142 | RUT200 | RUT206 | RUT241 | RUT241 eSIM | RUT260 | RUT271 | RUT301 | RUT361 | RUT901 | RUT906 | RUT951 |
|-----------------------|--------|--------|--------|--------|--------|-------------|--------|--------|--------|--------|--------|--------|--------|
| 5G                    |        |        |        |        |        |             |        | Redcap |        |        |        |        |        |
| 4G/LTE                |        |        | Cat 4  | Cat4   | Cat 4  | Cat 4       | Cat 6  | Cat4   |        | Cat 6  | Cat 4  | Cat 4  | Cat 4  |
| 2G/3G                 |        |        | 2G/3G  | 3G/2G  | 2G/3G  | 2G/3G       | 3G     |        |        | 3G     | 2G/3G  | 2G/3G  | 2G/3G  |
| CPU (MHz)             | 580    | 580    | 580    | 580    | 580    | 580         | 580    | 580    | 580    | 580    | 580    | 580    | 580    |
| RAM (MB)              | 128    | 128    | 128    | 128    | 128    | 128         | 128    | 128    | 128    | 128    | 128    | 128    | 128    |
| Flash memory (MB)     | 16     | 16     | 16     | 32     | 16     | 16          | 16     | 16     | 16     | 16     | 16     | 16     | 16     |
| Active PoE-out        |        |        |        |        |        |             |        |        |        |        |        |        |        |
| Active PoE-in         |        |        |        | •      |        |             |        |        |        |        |        |        |        |
| Passive PoE-in        | •      | •      | •      | •      | •      | •           | •      | •      |        |        | •      | •      | •      |
| Power voltage (VDC)   | 9-30   | 9-30   | 9-30   | 9-57   | 9-30   | 9-30        | 9-30   | 9-30   | 9-30   | 9-30   | 9-30   | 9-30   | 9-30   |
| SIM card slots        |        |        | 1      | 2      | 1      | 1           | 1      | 1      |        | 1      | 2      | 2      | 2      |
| eSIM                  |        |        |        |        |        | •           |        |        |        |        |        |        |        |
| Ethernet ports        | 2      | 2      | 2      | 2      | 2      | 2           | 2      | 2      | 5      | 2      | 4      | 4      | 4      |
| Ethernet speed (Mbps) | 100    | 100    | 100    | 100    | 100    | 100         | 100    | 100    | 100    | 100    | 100    | 100    | 100    |
| Wi-Fi standard        | n      | n      | n      | n      | n      | n           | n      | n      |        | n      | n      | n      | n      |
| GNSS                  |        |        |        |        |        |             |        |        |        |        |        |        | •      |
| I/Os                  |        |        | 2      |        | 2      | 2           | 2      | 2      | 4      | 4      | 2      | 7      | 2      |
| RS232                 |        | •      |        | •      |        |             |        |        |        |        |        |        | •      |
| RS485                 |        |        |        | •      |        |             |        |        |        |        |        |        | •      |
| Bluetooth             |        |        |        |        |        |             |        |        |        |        |        |        |        |
| USB                   |        |        |        |        |        |             |        |        | Host   |        |        | Host   |        |
| Integrated bracket    | •      | •      |        |        |        |             |        |        |        |        |        |        |        |
| Grounding terminal    | •      | •      |        |        |        |             |        |        |        |        |        |        |        |
| RMS support           | •      | •      | •      | •      | •      | •           | •      | •      | •      | •      | •      | •      | •      |
| RutOS                 | •      | •      | •      | •      | •      | •           | •      | •      | •      | •      | •      | •      | •      |

ROUTERS

| PRODUCT KEY FEATURES  | ROUTERS |        |        |        |        |        |        |        |        |        |         |        |        |
|-----------------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|
|                       | RUT956  | RUT976 | RUTM08 | RUTM09 | RUTM10 | RUTM11 | RUTX08 | RUTX09 | RUTX10 | RUTX11 | RUTX12  | RUTX14 | RUTXR1 |
| 5G                    |         | Redcap |        |        |        |        |        |        |        |        |         |        |        |
| 4G/LTE                | Cat 4   | Cat4   |        | Cat 6  |        | Cat 6  |        | Cat 6  |        | Cat 6  | 2xCat 6 | Cat 12 | Cat 6  |
| 2G/3G                 | 2G/3G   |        |        | 3G     |        | 3G     |        | 3G     |        | 3G     | 3G      | 3G     | 3G     |
| CPU (MHz)             | 580     | 580    | 2×880  | 2×880  | 2×880  | 2×880  | 4×717  | 4×717  | 4×717  | 4×717  | 4×717   | 4×717  | 4×717  |
| RAM (MB)              | 128     | 128    | 256    | 256    | 256    | 256    | 256    | 256    | 256    | 256    | 256     | 256    | 256    |
| Flash memory (MB)     | 16      | 32     | 256    | 256    | 256    | 256    | 256    | 256    | 256    | 256    | 256     | 256    | 256    |
| Active PoE-out        |         |        |        |        |        |        |        |        |        |        |         |        |        |
| Active PoE-in         |         |        |        |        |        |        |        |        |        |        |         |        |        |
| Passive PoE-in        | •       | •      | •      | •      | •      | •      | •      | •      | •      | •      | •       | •      | •      |
| Power voltage (VDC)   | 9-30    | 9-30   | 9-50   | 9-50   | 9-50   | 9-50   | 9-50   | 9-50   | 9-50   | 9-50   | 9-50    | 9-50   | 9-50   |
| SIM card slots        | 2       | 2      |        | 2      |        | 2      |        | 2      |        | 2      | 2       | 2      | 2      |
| eSIM                  |         |        |        |        |        |        |        |        |        |        |         |        |        |
| Ethernet ports        | 4       | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 5       | 5      | 5      |
| Ethernet speed (Mbps) | 100     | 100    | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000    | 1000   | 1000   |
| Wi-Fi standard        | n       | n      |        |        | ac     | ac     |        |        |        | ac     | ac      | ac     | ac     |
| GNSS                  | •       | •      |        | •      |        | •      |        | •      |        | •      | •       | •      |        |
| I/Os                  | 7       | 7      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2       | 2      |        |
| RS232                 | •       | •      |        |        |        |        |        |        |        |        |         |        |        |
| RS485                 | •       | •      |        |        |        |        |        |        |        |        |         |        |        |
| Bluetooth             |         |        |        |        |        |        |        |        |        | •      | •       | •      | •      |
| USB                   | Host    | Host   | Host   | Host   | Host   | Host   | Host   | Host   | Host   | Host   | Host    | Host   | Host   |
| Integrated bracket    |         |        |        |        |        |        |        |        |        |        |         |        |        |
| Grounding terminal    |         |        | •      | •      | •      | •      | •      | •      | •      | •      | •       | •      | •      |
| RMS support           | •       | •      | •      | •      | •      | •      | •      | •      | •      | •      | •       | •      | •      |
| RutOS                 | •       | •      | •      | •      | •      | •      | •      | •      | •      | •      | •       | •      | •      |

| PRODUCT KEY FEATURES  | ROUTERS |        |        |        |        |        |        |         |         |  |
|-----------------------|---------|--------|--------|--------|--------|--------|--------|---------|---------|--|
|                       | RUTM50  | RUTM51 | RUTM52 | RUTM54 | RUTM59 | RUTX50 | RUTC50 | OTD140  | OTD500  |  |
| 5G                    | •       | •      | 2×5G   | •      | •      | •      | •      |         | •       |  |
| 4G/LTE                | Cat 19  | Cat 12 | Cat20  | Cat19  | Cat19  | Cat 20 | Cat 20 | Cat 4   | Cat19   |  |
| 2G/3G                 |         | 3G     | 3G     | 3G     |        | 3G     |        | 2G/3G   | 3G      |  |
| CPU (MHz)             | 2×880   | 2×880  | 2×880  | 2×880  | 2×880  | 4×717  | 2×1300 | 580     | 2×880   |  |
| RAM (MB)              | 256     | 256    | 256    | 256    | 256    | 256    | 512    | 128     | 256     |  |
| Flash memory (MB)     | 256     | 256    | 256    | 256    | 256    | 256    | 512    | 16      | 256     |  |
| Active PoE-out        |         |        |        |        |        |        |        | 802.3af | 802.3af |  |
| Active PoE-in         |         |        |        |        |        |        |        | •       | •       |  |
| Passive PoE-in        | •       | •      | •      | •      | •      | •      | •      |         |         |  |
| Power voltage (VDC)   | 9-50    | 9-50   | 9-50   | 9-50   | 9-50   | 9-50   | 9-50   | 42.5-57 | 42.5-57 |  |
| SIM card slots        | 2       | 2      | 2      | 2      | 2      | 2      | 2      | 2       | 2       |  |
| eSIM                  |         |        | •      | •      |        |        |        |         | •       |  |
| Ethernet ports        | 5       | 5      | 5      | 5      | 5      | 5      | 5      | 2       | 2       |  |
| Ethernet speed (Mbps) | 1000    | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 100     | 1000    |  |
| Wi-Fi standard        | ac      | ac     | ac     | ac     |        | ac     | ax     |         |         |  |
| GNSS                  | •       |        | •      | •      | •      | •      | •      |         |         |  |
| I/Os                  | 2       | 2      | 2      | 2      | 2      | 2      | 2      |         |         |  |
| RS232                 |         |        |        |        |        |        |        |         |         |  |
| RS485                 |         |        |        |        |        |        |        |         |         |  |
| Bluetooth             |         |        |        |        |        |        |        |         |         |  |
| USB                   | Host    | Host   |        | Host   | Host   | Host   | Host   |         |         |  |
| Integrated bracket    |         |        |        |        |        |        |        |         |         |  |
| Grounding terminal    | •       | •      | •      | •      | •      | •      | •      |         |         |  |
| RMS support           | •       | •      | •      | •      | •      | •      | •      | •       | •       |  |
| RutOS                 | •       | •      | •      | •      | •      | •      | •      | •       | •       |  |

| PRODUCT KEY FEATURES  | GATEWAYS |        |        |        |        |        |                |        |               |        |
|-----------------------|----------|--------|--------|--------|--------|--------|----------------|--------|---------------|--------|
|                       | NTP001   | TRB140 | TRB141 | TRB142 | TRB143 | TRB145 | TRB160         | TRB246 | TRB256        | TRB500 |
| 5G                    |          |        |        |        |        |        |                |        |               | •      |
| 4G/LTE                |          | Cat 4  | Cat 1  | Cat 1  | Cat 4  | Cat 1  | Cat 6          | Cat 4  | M1/NB         | Cat 20 |
| 2G/3G                 |          | 2G/3G  | 2G/3G  | 2G/3G  | 2G/3G  | 2G/3G  | 3G             | 2G/3G  | NB2/<br>EGPRS | 3G     |
| CPU (MHz)             | 580      | 1200   | 1200   | 1200   | 1300   | 1200   | 1200           | 580    | 580           | 1500   |
| RAM (MB)              | 128      | 128    | 128    | 128    | 256    | 128    | 128            | 128    | 128           | 256    |
| Flash memory (MB)     | 16       | 512    | 512    | 512    | 512    | 512    | 256            | 16     | 16            | 512    |
| Active PoE-out        |          |        |        |        |        |        |                |        |               |        |
| Active PoE-in         |          |        |        |        |        |        |                |        |               |        |
| Passive PoE-in        |          | •      |        |        | •      |        | •              |        |               |        |
| Power voltage (VDC)   | 9-30     | 9-30   | 9-30   | 9-30   | 12-30  | 9-30   | 9-30           | 9-30   | 9-30          | 9-30   |
| SIM card slots        |          | 1      | 1      | 1      | 1      | 1      | 1              | 2      | 2             | 1      |
| eSIM                  |          |        |        |        |        |        |                |        |               |        |
| Ethernet ports        | 1        | 1      |        |        | 1      |        | 1              | 1      | 1             | 1      |
| Ethernet speed (Mbps) | 100      | 1000   |        |        | 1000   |        | 1000           | 100    | 100           | 1000   |
| Wi-Fi standard        |          |        |        |        |        |        |                |        |               |        |
| GNSS                  | •        |        |        |        |        |        |                | •      | •             |        |
| I/Os                  | 7        | 2      | 8      | 2      | 2      | 2      | 2              | 7      | 7             | 2      |
| RS232                 | •        |        |        | •      |        |        |                | •      | •             |        |
| RS485                 | •        |        |        |        |        | •      |                | •      | •             |        |
| Bluetooth             |          |        |        |        |        |        |                |        |               |        |
| USB                   |          | Client | Client | Client |        | Client | Power/<br>Data |        |               | Client |
| Integrated bracket    |          |        |        |        |        |        |                |        |               |        |
| Grounding terminal    |          |        |        |        |        |        |                |        |               |        |
| RMS support           |          | •      | •      | •      | •      | •      | •              | •      | •             | •      |
| RutOS                 | •        | •      | •      | •      | •      | •      | •              | •      | •             | •      |
| M-Bus                 |          |        |        |        | •      |        |                |        |               |        |

| PRODUCT KEY FEATURES  | MODEMS         |                |                |                | ACCESS POINTS |        |        |        |
|-----------------------|----------------|----------------|----------------|----------------|---------------|--------|--------|--------|
|                       | TRM200         | TRM240         | TRM250         | TRM500         | TAP100        | TAP200 | DAP140 | DAP142 |
| 5G                    |                |                |                | •              |               |        |        |        |
| 4G/LTE                | Cat4           | Cat 1          | M1/NB          | Cat 19         |               |        |        |        |
| 2G/3G                 | 3G/2G          | 3G/2G          | 2G             | 3G             |               |        |        |        |
| CPU (MHz)             |                |                |                |                | 580           | 2×880  | 580    | 580    |
| RAM (MB)              |                |                |                |                | 64            | 256    | 128    | 128    |
| Flash memory (MB)     |                |                |                |                | 16            | 16     | 16     | 16     |
| Active PoE-out        |                |                |                |                |               |        |        |        |
| Active PoE-in         |                |                |                |                | •             | •      |        |        |
| Passive PoE-in        |                |                |                |                |               |        | •      | •      |
| Power voltage (VDC)   | 5              | 5              | 5              | 9-30           | 44-57         | 44-57  | 9-30   | 9-30   |
| SIM card slots        | 1              | 1              | 1              | 1              |               |        |        |        |
| Ethernet ports        |                |                |                |                | 1             | 1      | 2      | 2      |
| Ethernet speed (Mbps) |                |                |                |                | 100           | 1000   | 100    | 100    |
| Wi-Fi standard        |                |                |                |                | n             | ac     | n      | n      |
| GNSS                  |                |                |                |                |               |        |        |        |
| I/Os                  |                |                |                |                |               |        |        |        |
| RS232                 |                |                |                |                |               |        |        | •      |
| RS485                 |                |                |                |                |               |        |        |        |
| Bluetooth             |                |                |                |                |               |        |        |        |
| USB                   | Power/<br>Data | Power/<br>Data | Power/<br>Data | Power/<br>Data |               |        |        |        |
| Integrated bracket    |                |                |                |                | •             | •      | •      | •      |
| Grounding terminal    |                |                |                |                |               |        | •      | •      |
| RMS support           |                |                |                |                | •             | •      | •      | •      |
| RutOS                 |                |                |                |                | •             | •      | •      | •      |
| M-Bus                 |                |                |                |                |               |        |        |        |

| PRODUCT KEY FEATURES  | ETHERNET SWITCHES |        |             |             |             |        |        |             |             |        |        |        |        |  |
|-----------------------|-------------------|--------|-------------|-------------|-------------|--------|--------|-------------|-------------|--------|--------|--------|--------|--|
|                       | TSW010            | TSW030 | TSW040      | TSW100      | TSW101      | TSW110 | TSW114 | TSW200      | TSW202      | TSW210 | TSW212 | TSW304 | TSF010 |  |
| Managed               |                   |        |             |             |             |        |        |             | •           |        | •      |        |        |  |
| MRP                   |                   |        |             |             |             |        |        |             | •           |        | •      |        |        |  |
| STP/RSTP              |                   |        |             |             |             |        |        |             | •           |        | •      |        |        |  |
| Profinet              |                   |        |             |             |             |        |        |             | •           |        | •      |        |        |  |
| EtherNet/IP           |                   |        |             |             |             |        |        |             | •           |        | •      |        |        |  |
| QoS                   |                   |        |             |             |             |        |        |             | •           |        | •      |        |        |  |
| Passive PoE-in        | •                 |        |             |             |             | •      | •      |             |             |        |        | •      |        |  |
| Active PoE-out        |                   |        | 802.3 af/at | 802.3 af/at | 802.3 af/at |        |        | 802.3 af/at | 802.3 af/at |        |        |        |        |  |
| Power voltage (VDC)   | 9-30              | 7-57   | 7-57        | 7-57        | 9-30        | 9-30   | 9-30   | 7-57        | 7-57        | 7-57   | 7-57   | 7-57   | 7-57   |  |
| Ethernet ports        | 5                 | 8      | 8           | 5           | 5           | 5      | 5      | 8           | 8           | 8      | 8      | 4      | 5      |  |
| SFP ports             |                   |        |             |             |             |        |        | 2           | 2           | 2      | 2      |        |        |  |
| Ethernet speed (Mbps) | 100               | 100    | 100         | 1000        | 1000        | 1000   | 1000   | 1000        | 1000        | 1000   | 1000   | 1000   | 100    |  |
| Integrated bracket    | •                 | •      | •           |             |             |        | •      | •           | •           | •      | •      | •      | •      |  |
| Grounding terminal    |                   | •      | •           | •           | •           | •      | •      | •           | •           | •      | •      | •      | •      |  |
| RMS support           |                   |        |             |             |             |        |        | •           |             |        | •      |        |        |  |
| TswOS                 |                   |        |             |             |             |        |        | •           |             |        | •      |        |        |  |



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