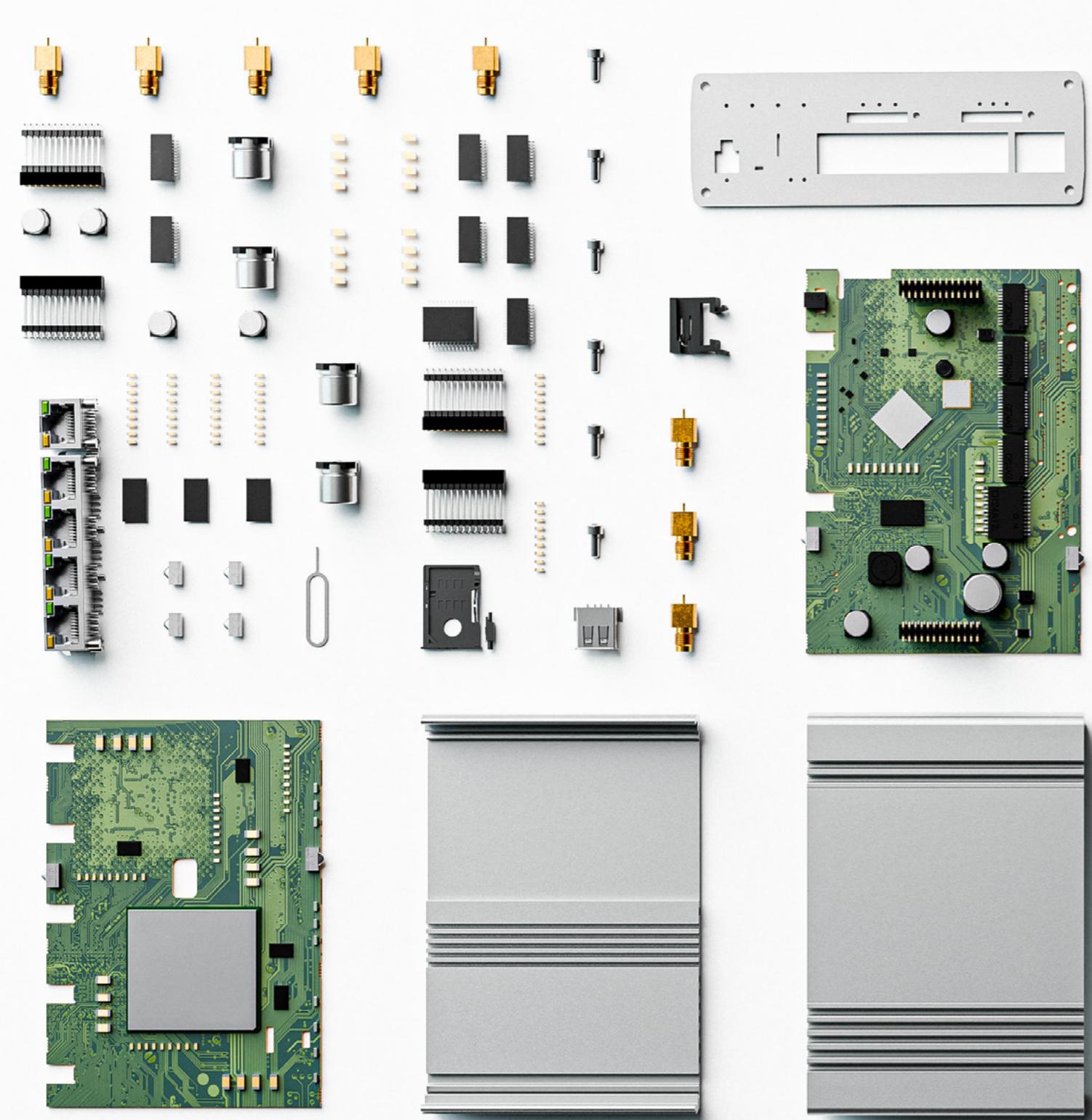




# YOUR CONNECTIVITY STARTS HERE

Networking product catalogue / 2024



# TABLE OF CONTENTS

## Company

Who we are	4
What we offer	5
Holistic approach	6

## Systems

RutOS	8
TswOS	10
RMS	12

## Routers

RUT1 Series	14
RUT2 Series	16
RUT3 Series	18
RUT9 Series	20
RUTM Series	22
RUTX Series	24
RedCap Series	26
5G Series	28
RUTC50	30
RUTM52	32
OTD Series	34

## Gateways

TRB1 Series	36
TRB2 Series	38
TRB160	40
TRB500	41

## Ethernet switches

TSW0 Series	42
TSW1 Series	44
TSW2 Series (Unmanaged)	46
TSW2 Series (Managed)	48
TSW304	50
TSF010	51

## Modems

TRM2 Series	52
TRM500	53

## Access points

TAP Series	54
------------	----

## Accessories

Outdoor antennas	56
Powering options	58
Antenna options	59
Mounting options	61
Other	61

## Device comparison

Routers	62
Gateways, modems, access points	64
Ethernet switches	65

# 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

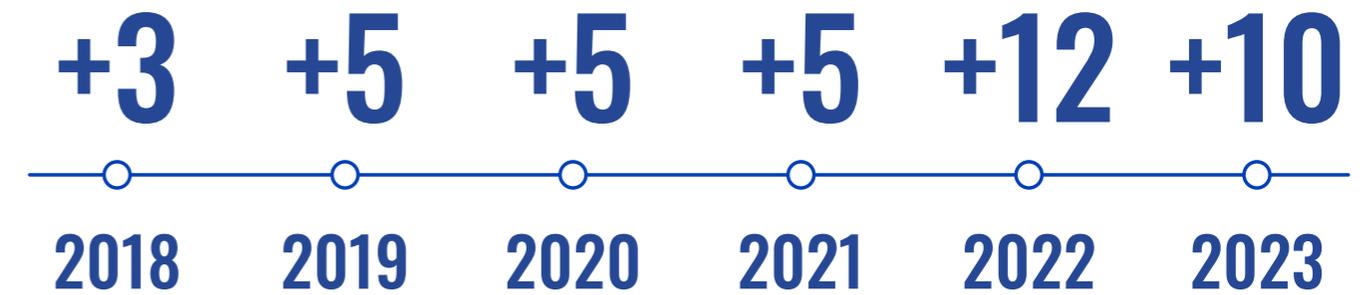
We not only work but also live to help and share kindness to the people, especially to those who need our help the most. We are keeping our values by continuously and courageously creating synergy between Teltonika and business partners, as well as clients.

# 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.

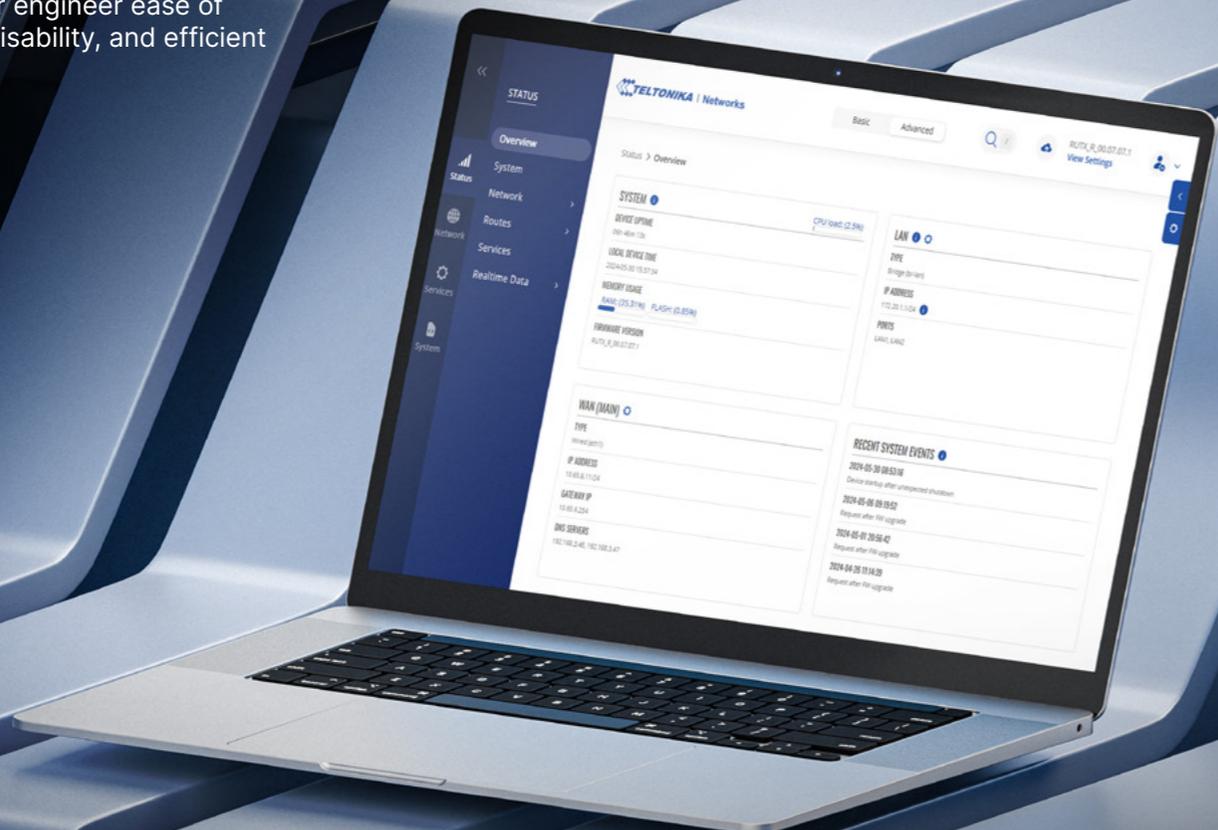
## Assurance

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

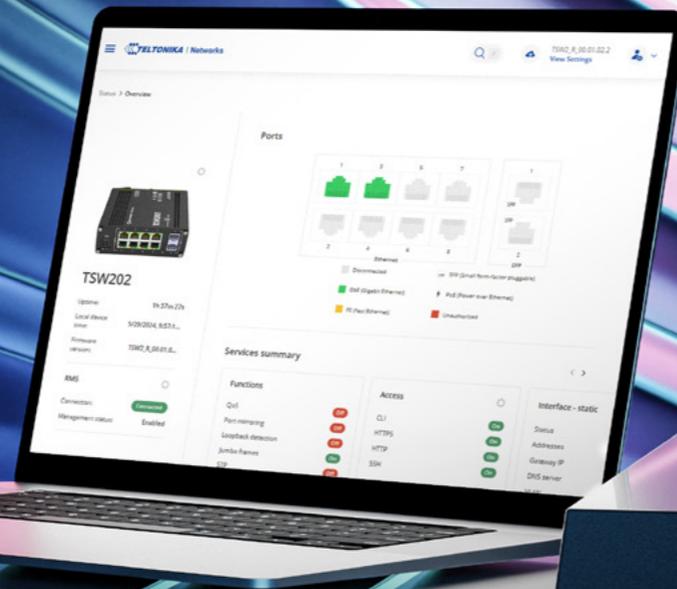
Time sync services	NTP (server, client), GNSS, Mobile operator
Other services	Data to server, I/O control, location services, WoL, network topology
Industrial protocols	MODBUS (supported connection types RTU (RS232, RS485), TCP, USB), BACnet, DNP3, M-Bus, OPC UA, DLMS
Communication & monitoring	JSON-RPC, 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



Compact, easy, and affordable



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 x 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



#1 CHOICE FOR SOLUTIONS WORLDWIDE



INDUSTRIAL ROUTERS

# RUT3 SERIES

Comprehensive cellular & Ethernet capabilities

## COMMON FEATURES

### Configurable I/Os

2 x configurable digital I/Os

### Durable

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

### VPN support

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

### RMS

Compatible with our Remote  
Management System

## 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

### LTE Cat 4

4G, backward compatible with 3G/2G

### Dual-SIM

With auto-failover and backup WAN

### 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

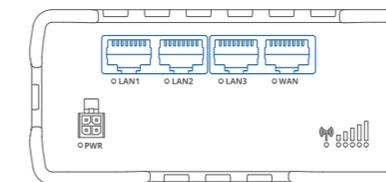
#### Industrial applications

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

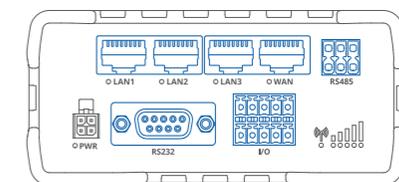
#### Remote monitoring & management

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

## RUTM08

Ethernet connectivity with 4x Gigabit Ethernet

## RUTM10

Ethernet connectivity with Dual-Band Wi-Fi

## RUTM09

Wired-only Cat 6 connectivity

## RUTM11

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 MULTITOOLO  
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



Compact & affordable 5G RedCap



5G RedCap master of interfaces

## IDEAL FOR

### Private networks

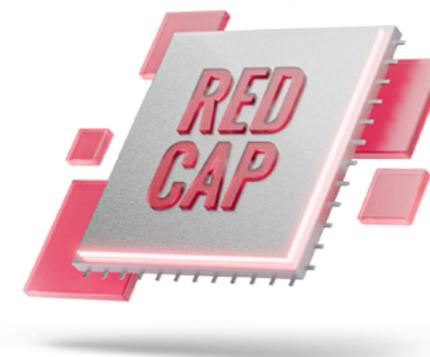
balancing costs, performance, and efficiency while retaining the advantages of 5G technology.

### 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



## RUTM51

MVP of 5G Affordability



## RUTM50

5G powerhouse for the North American market



## RUTM54

5G powerhouse with a European Telit modem

## 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



# RATHER WATCH?

Explore our YouTube channel





# RUTM52

Dual 5G modems for dual 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)



# ENDLESS USE CASES

Explore the catalogue now!





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 and Cat 4 single-SIM cellular gateways

### Industrial-grade

Compact, durable, and designed for industrial applications

### RMS

Compatible with our Remote Management System

## TRB140

Your compact 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

## IDEAL FOR

### Smart metering

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

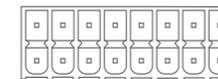
### Remote monitoring & management

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

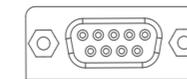
## YOUR NEEDS, YOUR SOLUTION



TRB140  
Ethernet



TRB141  
I/O



TRB142  
RS232



TRB143  
M-Bus



TRB145  
RS485



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

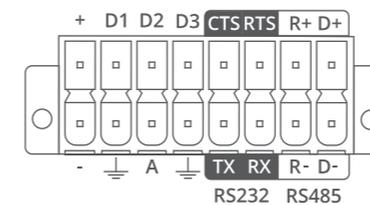
Reliable connectivity for real-time data collection and transmission to and from remote equipment

#### 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



# TRB160

Speed & aggregation

IDEAL FOR

## Vending machines

Compact connectivity in tight-space retail and smart city applications, such as vending machines

## Digital service hubs

Reliable connectivity for digital signage displays and interactive self-service terminals

## Remote monitoring & management

Seamless connectivity for remote applications, including energy grid monitoring, precision machinery, mining, and agricultural equipment

FEATURES

### 4G LTE Cat 6

Cellular speeds of up to 300 Mbps with carrier aggregation

### Compact

Small size, easy installation

### Protocols

Supports OPC UA, DNP3, Modbus & more

### USB Type-C

For simultaneous powering and network data provision



# 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

Back-side 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





# 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



# 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



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

# 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



**POWER SUPPLY, 24W**  
EU: PR3P2EU3 / AU: PR3P2AU3  
US: PR3P2US3 / UK: PR3P2UK3



**POWER SUPPLY, 62W**  
EU: PR3PWEU3 / AU: PR3PWAU3  
US: PR3PWUS3 / UK: PR3PWUK3



**POWER SUPPLY, 9W**  
EU: PR3PUEU3 / AU: PR3PUAU3  
US: PR3PUUS3 / UK: PR3PUUK3  
JP: PR3PUJP3



**UNIVERSAL POWER SUPPLY, 9W**  
Order code: PR3PUPS3



**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



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

## 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



**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



**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



**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



**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**



**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



**2x3-PIN CONNECTOR**  
Order code: PR4RS06K



**2x8-PIN CONNECTOR**  
Order code: PR4IO17K



**CONSOLE CABLE 1.8M**  
Order code: PR2UR18M



**ETHERNET CABLE 1.5M**  
Order code: PR2LA15B



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



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



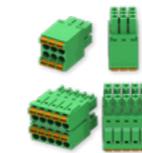
**MOBILE SMA ANTENNA WITH 450 MHz**  
Order code: PR1US740



**SMA CABLE EXTENSION**  
Order code: PR2VM20M



**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	ROUTERS																
	RUT140	RUT142	RUT200	RUT241	RUT241 eSIM	RUT260	RUT271	RUT301	RUT361	RUT901	RUT906	RUT951	RUT956	RUT976	RUTM08	RUTM09	RUTM10
5G						Redcap							Redcap				
4G/LTE			Cat 4	Cat 4	Cat 4	Cat 6	Cat4		Cat 6	Cat 4	Cat 4	Cat 4	Cat 4	Cat4		Cat 6	
2G/3G			2G/3G	2G/3G	2G/3G	3G			3G	2G/3G	2G/3G	2G/3G	2G/3G			3G	
CPU (MHz)	580	580	580	580	580	580	580	580	580	580	580	580	580	580	2×880	2×880	2×880
RAM (MB)	128	128	128	128	128	128	128	128	128	128	128	128	128	128	256	256	256
Flash memory (MB)	16	16	16	16	16	16	16	16	16	16	16	16	16	16	256	256	256
Passive PoE-in	•	•	•	•	•	•	•			•	•	•	•	•	•	•	•
Power voltage (VDC)	9-30	9-30	9-30	9-30	9-30	9-30	9-30	9-30	9-30	9-30	9-30	9-30	9-30	9-30	9-50	9-50	9-50
SIM card slots			1	1	1	1	1		1	2	2	2	2	2		2	
eSIM					•												
Ethernet ports	2	2	2	2	2	2	2	5	2	4	4	4	4	4	4	4	4
Ethernet speed (Mbps)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	1000	1000	1000
Wi-Fi standard	n	n	n	n	n	n	n		n	n	n	n	n	n			ac
GNSS											•		•	•		•	
I/Os			2	2	2	2	2	4	4	2	7	2	7	7	2	2	2
RS232		•									•		•	•			
RS485											•		•	•			
Bluetooth																	
USB								Host			Host		Host	Host	Host	Host	Host
Integrated bracket	•	•															
Grounding terminal	•	•												•	•	•	
RMS support	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
RutOS	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

PRODUCT KEY FEATURES	RUTM11	RUTX08	RUTX09	RUTX10	RUTX11	RUTX12	RUTX14	RUTXR1	RUTM50	RUTM51	RUTM52	RUTM54	RUTX50	RUTC50	OTD140	OTD500
	5G									•	•	2×5G	•	•	•	
4G/LTE	Cat 6		Cat 6		Cat 6	2xCat 6	Cat 12	Cat 6	Cat 19	Cat 12	Cat20	Cat19	Cat 20	Cat 20	Cat 4	Cat19
2G/3G	3G		3G		3G	3G	3G	3G		3G	3G	3G	3G		2G/3G	3G
CPU (MHz)	2×880	4×717	4×717	4×717	4×717	4×717	4×717	4×717	2×880	2×880	2×880	2×880	4×717	2×1300	580	2×880
RAM (MB)	256	256	256	256	256	256	256	256	256	256	256	256	256	512	128	256
Flash memory (MB)	256	256	256	256	256	256	256	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	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	2	2	2	2	2
eSIM												•	•			•
Ethernet ports	4	4	4	4	4	5	5	5	5	5	5	5	5	5	2	2
Ethernet speed (Mbps)	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	100	1000
Wi-Fi standard	ac			ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ac	ax	
GNSS	•		•		•	•	•		•		•	•	•	•		
I/Os	2	2	2	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	GATEWAYS									MODEMS				ACCESS POINTS	
	TRB140	TRB141	TRB142	TRB143	TRB145	TRB160	TRB246	TRB256	TRB500	TRM200	TRM240	TRM250	TRM500	TAP100	TAP200
5G								•					•		
4G/LTE	Cat 4	Cat 1	Cat 1	Cat 4	Cat 1	Cat 6	Cat 4	M1/NB	Cat 20	Cat4	Cat 1	M1/NB	Cat 19		
2G/3G	2G/3G	2G/3G	2G/3G	2G/3G	2G/3G	3G	2G/3G	NB2/EGPRS	3G	3G/2G	3G/2G	2G	3G		
CPU (MHz)	1200	1200	1200	1300	1200	1200	580	580	1500					580	2×880
RAM (MB)	128	128	128	256	128	128	128	128	256					64	256
Flash memory (MB)	512	512	512	512	512	256	16	16	512					16	16
Active PoE-out															
Active PoE-in														•	•
Passive PoE-in	•			•		•									
Power voltage (VDC)	9-30	9-30	9-30	12-30	9-30	9-30	9-30	9-30	9-30	5	5	5	9-30	44-57	44-57
SIM card slots	1	1	1	1	1	1	2	2	1	1	1	1	1		
Ethernet ports	1			1		1	1	1	1					1	1
Ethernet speed (Mbps)	1000			1000		1000	100	100	1000					100	1000
Wi-Fi standard														n	ac
GNSS							•	•							
I/Os	2	8	2	2	2	2	7	7	2						
RS232			•				•	•							
RS485					•		•	•							
Bluetooth															
USB	Client	Client	Client		Client	Power/Data			Client	Power/Data	Power/Data	Power/Data	Power/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									•		•			





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



[info@teltonika.lt](mailto:info@teltonika.lt)