

NETWORK SMARTER, CONNECT FASTER

Networking product catalogue / 2025

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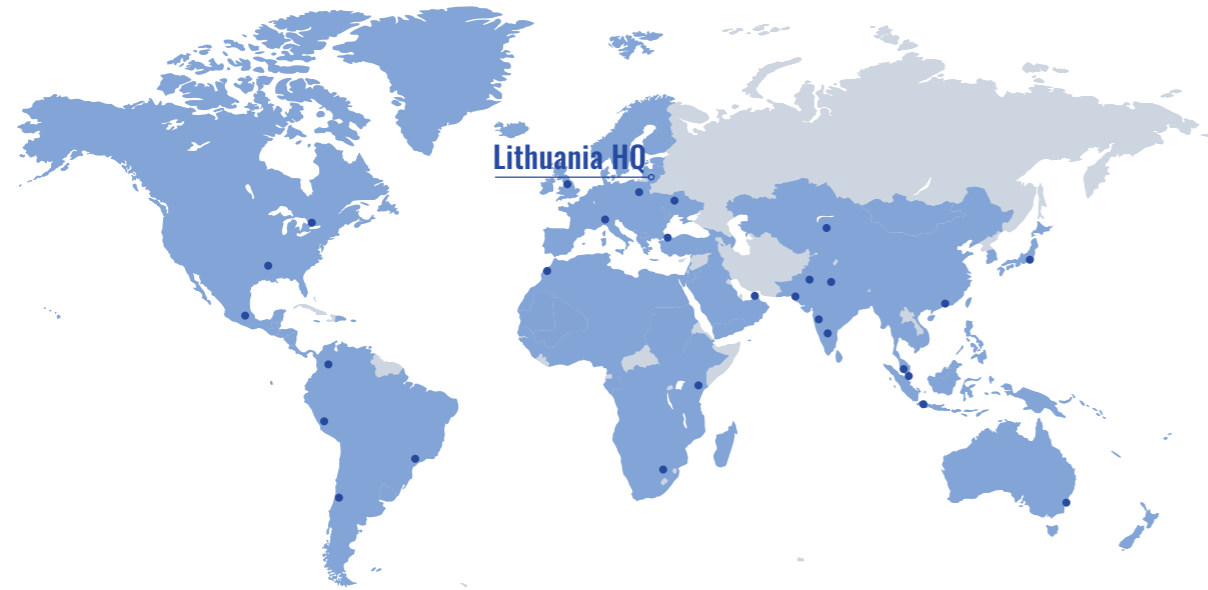
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WHO ARE WE?

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

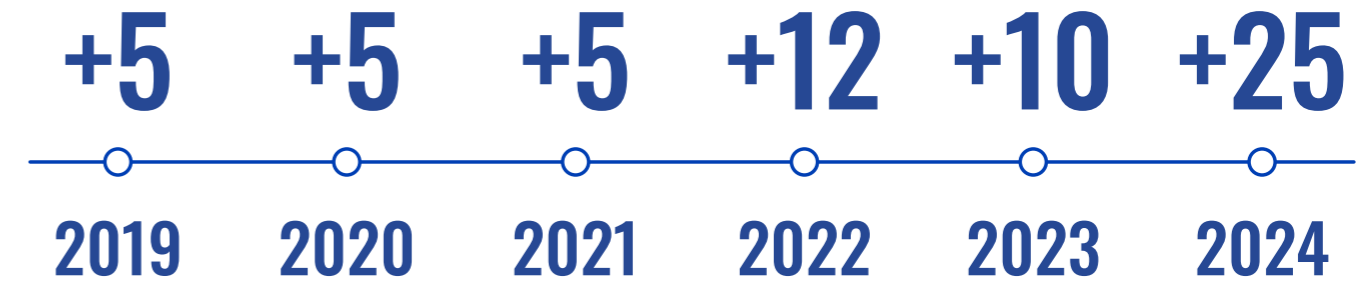
We not only work but also live to help and share kindness to the people, especially to those who need our help the most. We are keeping our values by continuously and courageously creating synergy between Teltonika and business partners, as well as clients.

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.

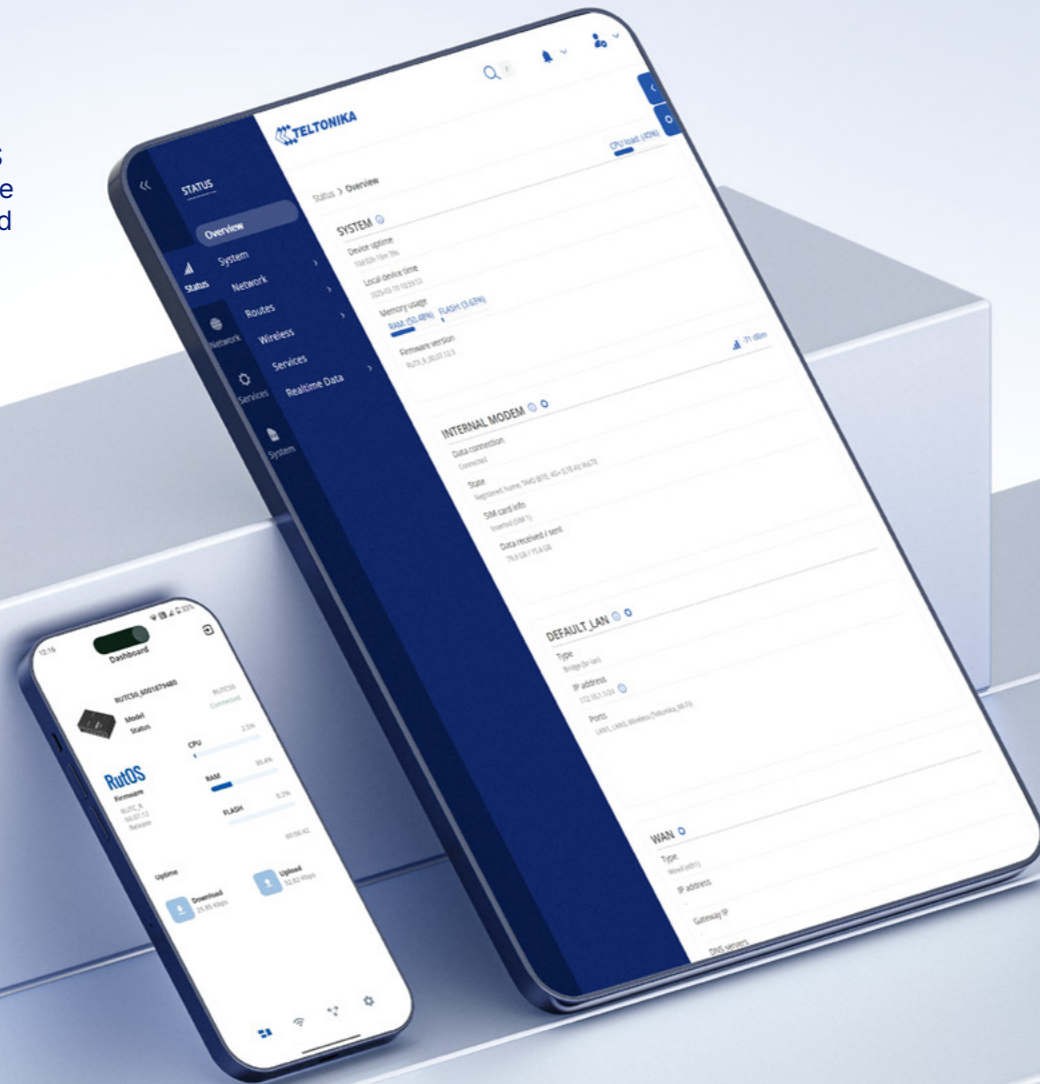
Assurance

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

RUT145

Compact and tailor-made for RS485 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

Industrial Performer with Seamless eSIM™ Connectivity

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

Mobile and temporary deployments

Ideal for construction sites, events, or emergencies requiring quick and reliable connectivity



#1 CHOICE FOR SOLUTIONS WORLDWIDE



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



Ethernet connectivity with versatile interfaces



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 PoE+

All-reliable cellular router with PoE+



RUT906

Master of interfaces for select regions, including RS232 and RS485



RUT956

Master of interfaces available globally, including RS232 and RS485

IDEAL FOR

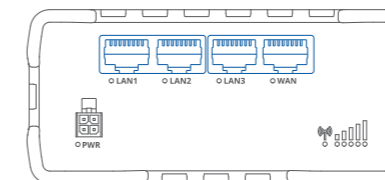
Industrial applications

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

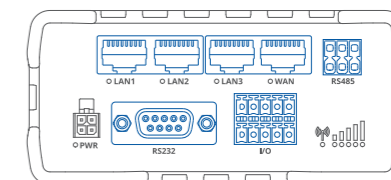
Remote monitoring & management

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 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

RUT276

5G RedCap router with RS232/RS485 serial interfaces

RUT976

5G RedCap master of interfaces

IDEAL FOR

Private networks

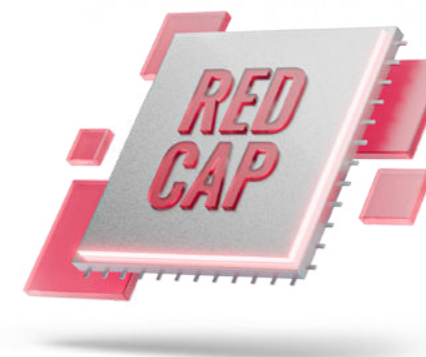
Balancing costs, performance, and efficiency while retaining the advantages of 5G technology

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

RUTM55

5G router for seamless serial integration

RUTM51

MVP of 5G affordability

RUTM59

Always-on 5G connectivity

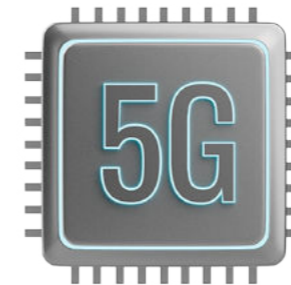
IDEAL FOR

Mobile & temporary deployments

Pop-up stores, event venues, outdoor festivals, construction sites, and other locations requiring reliable and quick-to-deploy connectivity

Industrial applications

Future proof manufacturing plants with ultra-high 5G cellular speeds, redundancy with dual SIM & eSIM, and RS232/RS485 serial interfaces, ensuring seamless integration of legacy equipment



HARNESS THE POWER OF 5G NETWORKS



COMPACT 5G ROUTERS

RUTM3 SERIES

5G Connectivity in a Compact Form

COMMON FEATURES

Connectivity

5G, 4G, 3G

Dual-SIM

With auto failover, backup WAN, and other switching scenarios

eSIM™*

Seamless connectivity with eSIM™ SGP.22

SA & NSA

Supports both architectures to leverage the 5G infrastructure



RUTM30

Your compact 5G router with eSIM™



RUTM31

Your cost-efficient 5G router

IDEAL FOR

Industrial IoT

enabling low-latency connections for industrial machines, sensors, and devices needing reliable communication.

Digital service hubs

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

Intelligent transportation systems

Reliable connectivity for smart traffic lights, surveillance systems, traffic monitoring and management.



SMALLEST 5G ROUTER IN OUR PORTFOLIO

*Depends on the order code.

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

Enhanced processing

1GB RAM and 8GB flash for edge computing applications

Dual-SIM & eSIM™

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)

ATRM50

5G Router for Transportation

IDEAL FOR

Public buses

Seamless performance for on-board systems such as passenger Wi-Fi, ticketing terminals, route tracking, low battery protection, and surveillance

Passenger and cargo trains

Uninterrupted internet connection for passengers, CCTV, fleet control, and carriage comms, engineered to withstand vibration, climate shifts, and border crossings

Marine

Reliable connectivity for navigation, surveillance, digital signage, and crew comms, resistant to vibration and temperature extremes

FEATURES

M12 connectors

4 x M12 X-coded Gigabit Ethernet ports, 1 x M12 A-coded power input

5G

Ultra-high cellular speeds of up to 3.4 Gbps

DUAL SIM & eSIM™

With auto failover, backup WAN and other switching scenarios

Certificates and features

EN 45545-2 and EN 50155. Ignition detection and low battery



RUTM56

Dual modem router

IDEAL FOR

First responders

Provides resilient communication for mobile command centres and vehicles. Its 5G high-bandwidth capabilities, with essential fallback to 4G, 3G, and 2G, ensure continuous coordination and critical data access even in compromised or challenging conditions

Remote areas

Ensures essential connectivity for safety and operational efficiency in challenging remote environments. Provides stable and reliable network support for modern systems, leveraging critical 2G coverage for isolated areas where 4G/5G networks may be limited



FEATURES

Dual modem

1 x 5G & 1 x 4G Cat 4 modems

SIM & eSIM™

With auto failover, backup WAN and other switching scenarios

Legacy network support

Backward compatible with 3G & 2G networks

Plug-n-play

Ready to be used out of the box



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

OTD144

Outdoor 4G router with integrated Wi-Fi

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



CALYX

Embedded Cellular Raspberry Pi HAT+

IDEAL FOR

Industrial IoT

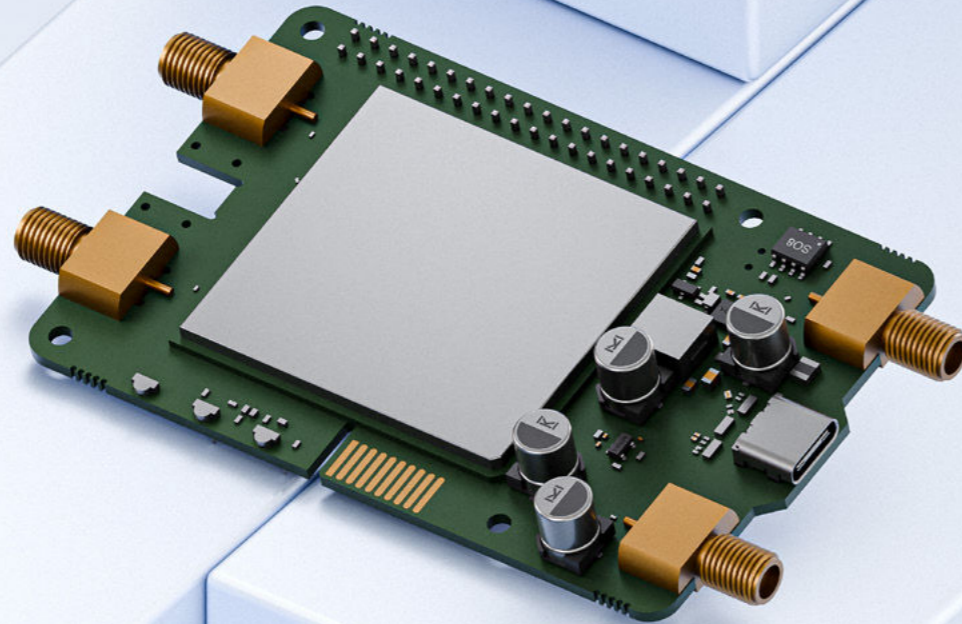
Provides direct, reliable cellular access for remote data acquisition from sensors, meters, and embedded controllers

Edge Computing Gateways

Enables the Raspberry Pi to function as a compact, all-in-one embedded gateway for AI and data processing

Digital Signage & Kiosks

Enables reliable remote management and content updates over the cellular network



FEATURES

Optimal form factor

Mount seamlessly on Raspberry Pi 4/5

Versatile connectivity

Choose the right option: 4G Cat 4, 5G Redcap, or full-fledged 5G

PCM enhanced audio

Enable clean, low-latency audio transfer

GPIO modem control

Wake, reset, and manage the modem via Pi pins

RATHER WATCH?

Explore our YouTube channel



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

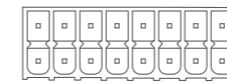
Remote monitoring & management

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

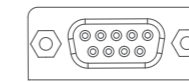
YOUR NEEDS, YOUR SOLUTION



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

TRB247

LTE Cat 1 bis, FCC-certified, dual SIM support

TRB256

LTE Cat 1/NB-IoT & 450 MHz support

IDEAL FOR

Real-time telemetry

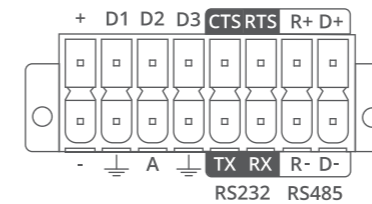
Reliable connectivity for real-time data collection and transmission to and from remote equipment

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



TRB501

Industrial 5G gateway

IDEAL FOR

Smart Security & Surveillance

Offers ultra-fast 5G connectivity for real-time video streaming, AI analytics, and remote monitoring in critical infrastructure where high uptime is essential

Industrial IoT & Smart Grid Connectivity

Ensures reliable, low-latency data transfer for industrial IoT solutions and automated operations in SCADA systems and smart grid deployments



FEATURES

Next-gen 5G

Lower latency, better spectrum use, and 5G carrier aggregation

High-speed Ethernet

Ultra-high wired data speeds of up to 2.5 Gbps

Compactness

Single-digit latency for mission-critical applications

IIoT Protocol-ready

Modbus, DNP3 and DLMS for SCADA, smart grid, and telemetry

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



Cover your switch basics effortlessly



8 ports, endless possibilities



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

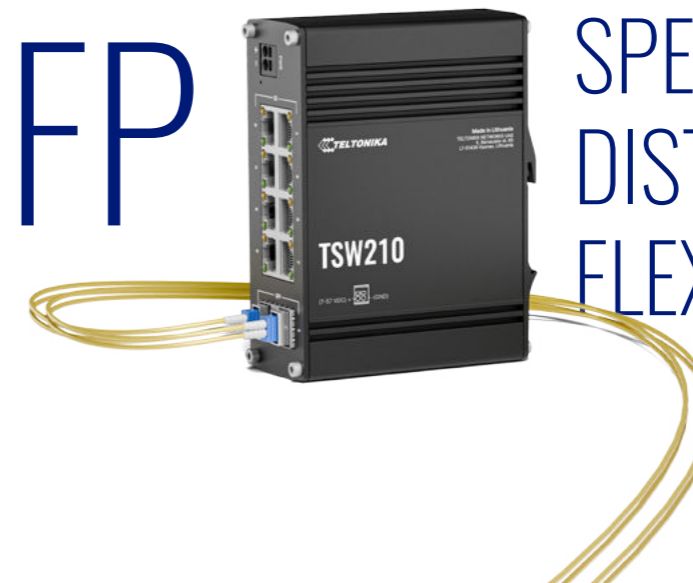
Smart agriculture

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





24 - PORT MANAGED SWITCHES

SWM SERIES

Large-scale network distribution

COMMON FEATURES

Managed switch

L2 with additional L3 features for enhanced management and control

PoE+

PoE Management & PoE Watchdog capabilities

Cloud management

Visualize & manage entire network with RMS

Profinet & more

Supports PROFINET, MRP, and EtherNet/IP

SWM280

12 Gigabit Ethernet, 12 with PoE+, 4 SFP ports

SWM281

24 Gigabit Ethernet, 4 SFP ports

SWM282

24 Gigabit Ethernet with PoE+, 4 SFP ports

IDEAL FOR

Enterprise & Industrial Networks

Robust 24-port design with PoE+ power and fibre uplinks makes it ideal for large-scale industrial networks, enterprise buildings, smart factories, and logistics hubs requiring reliable and high-throughput wired infrastructure

Remote Infrastructure Management

Fully manageable via TswOS and RMS, making it ideal for remote device management, full network visibility, and control

Smart Manufacturing & Automation

Industrial Ethernet protocols' support ensures seamless communication with PLCs, industrial PCs, and control systems in automated production lines, smart warehouses, and connected manufacturing environments



NETWORK CONTROL
AT YOUR FINGERTIPS
WITH **2 YEARS**
OF **FREE RMS**
MANAGEMENT!



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

AC/DC powering

Wide voltage range with flexible input

INDUSTRIAL CELLULAR MODEMS

TRM2 SERIES

Connectivity – simple as that.



TRM142

LTE Cat 4 with RS232 interface



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

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



TRM500

5G connectivity – simple as that.





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

DAP145

Industrial, compact & affordable – with RS485

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
Order code: 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: PR1KCI49

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

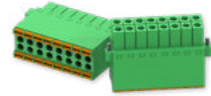


TSW2-SERIES REAR PANEL WITH DIN RAIL HOLDER
Order code: PR5MEC25

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 | RUT145 | RUT200 | RUT206 | RUT241 eSIM | RUT260 | RUT271 | RUT276 | RUT301 | RUT361 | RUT901 | RUT906 | RUT951 | RUT951 PoE+ |
|-----------------------|--------|--------|--------|--------|--------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|
| 5G | | | | | | | | Redcap | Redcap | | | | | | |
| 4G/LTE | | | | Cat 4 | Cat4 | Cat 4 | Cat 6 | Cat4 | Cat4 | | Cat 6 | Cat 4 | Cat 4 | Cat 4 | Cat 4 |
| 2G/3G | | | | 2G/3G | 3G/2G | 2G/3G | 3G | | | | 3G | 2G/3G | 2G/3G | 2G/3G | 2G/3G |
| CPU (MHz) | 580 | 580 | 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 | 128 | 128 |
| Flash memory (MB) | 16 | 16 | 16 | 16 | 32 | 16 | 16 | 16 | 32 | 16 | 16 | 16 | 16 | 16 | 16 |
| Active PoE-out | | | | | | | | | | | | | | | 802.3 af/at |
| Active PoE-in | | | | | • | | | | • | | | | | | 802.3 af/at |
| Passive PoE-in | • | • | • | • | • | • | • | • | • | | | • | • | • | |
| Power voltage (VDC) | 9-30 | 9-30 | 9-30 | 9-30 | 9-57 | 9-30 | 9-30 | 9-30 | 9-57 | 9-30 | 9-30 | 9-30 | 9-30 | 9-30 | 9-57 |
| SIM card slots | | | | 1 | 2 | 1 | 1 | 1 | 2 | | 1 | 2 | 2 | 2 | 2 |
| eSIM | | | | | | • | | •* | | | | | | • | • |
| Ethernet ports | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 2 | 4 | 4 | 4 | 4 |
| Ethernet speed (Mbps) | 100 | 100 | 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 | n | n |
| GNSS | | | | | | | | | | | | | • | | |
| I/Os | | | | 2 | | 2 | 2 | 2 | | 2 | 2 | 2 | 7 | 2 | |
| RS232 | | • | | | • | | | | • | | | | • | | |
| RS485 | | | • | | • | | | | • | | | | • | | |
| Bluetooth | | | | | | | | | | | | | | | |
| USB | | | | | | | | | | Host | | | Host | | |
| Integrated bracket | • | • | • | | | | | | | | | | | | |
| Grounding terminal | • | • | • | | | | | | | | | | | | |
| RMS support | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| RutOS | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |

*Depends on the order code.

| 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 | 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 | • | • | • | • | • | • | • | • | • | • | • | • | • |

*Depends on the order code.

| PRODUCT KEY FEATURES | ROUTERS | | | | | | | | | | | | | | | |
|-----------------------|---------|--------|--------|--------|--------|--------|--------|----------------|--------|--------|--------|--------|----------------|----------------|----------------|--|
| | RUTM30 | RUTM31 | RUTM50 | RUTM51 | RUTM52 | RUTM54 | RUTM55 | RUTM56 | RUTM59 | RUTX50 | RUTC50 | ATRM50 | OTD140 | OTD144 | OTD500 | |
| 5G | • | • | • | • | 2×5G | • | • | • | • | • | • | • | | | • | |
| 4G/LTE | Cat 19 | Cat 12 | Cat 19 | Cat 12 | Cat20 | Cat19 | Cat19 | Cat4/ Cat19 | Cat19 | Cat 20 | Cat 19 | Cat 19 | Cat 4 | Cat 4 | Cat19 | |
| 2G/3G | 3G | 3G | | 3G | 3G | 3G | | 2G/3G | | 3G | 3G | | 2G/3G | 2G/3G | 3G | |
| CPU (MHz) | 2×880 | 2×880 | 2×880 | 2×880 | 2×880 | 2×880 | 880 | 2×880 | 2×880 | 4×717 | 2×1300 | 880 | 580 | 580 | 2×880 | |
| RAM (MB) | 256 | 256 | 256 | 256 | 256 | 256 | 256 | 256 | 256 | 256 | 1024 | 256 | 128 | 64 | 256 | |
| Flash memory (MB) | 256 | 256 | 256 | 256 | 256 | 256 | 256 | 256 | 256 | 256 | 8192 | 256 | 16 | 16 | 256 | |
| Active PoE-out | | | | | | | | | | | | | 802.3 af | 802.3 af | 802.3 af | |
| Active PoE-in | | | | | | | | | | | | | 802.3 af/at | 802.3 af/at | 802.3 af/at | |
| 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 | 42.5-57 | 42.5-57 | 42.5-57 | |
| SIM card slots | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| eSIM | • | •* | •* | •* | • | • | • | • | •* | • | • | • | •* | | • | |
| Ethernet ports | 2 | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 2 | 2 | 2 | |
| Ethernet speed (Mbps) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 100 | 100 | 1000 | |
| Wi-Fi standard | ac | ac | ac | ac | ac | ac | ac | ac | | ac | ax | ac | | n | | |
| GNSS | | | • | | • | • | • | • | • | • | • | • | | | | |
| I/Os | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 2 | 2 | 2 | 2 | 2 | | | | |
| RS232 | | | | | | | | | | | | | | | | |
| RS485 | | | | | | | | | | | | | | | | |
| Bluetooth | | | | | | | | | | | | | | | | |
| USB | Host | Host | Host | Host | | Host | Host | | | Host | Host | Host | Host | | | |
| Integrated bracket | | | | | | | | | | | | | | | | |
| Grounding terminal | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | |
| RMS support | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | |
| RutOS | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | |

*Depends on the order code.

| PRODUCT KEY FEATURES | GATEWAYS | | | | | | | | | | | |
|-----------------------|----------|--------|--------|--------|--------|--------|------------|--------|-----------|-----------|--------|--------|
| | NTP001 | TRB140 | TRB141 | TRB142 | TRB143 | TRB145 | TRB160 | TRB246 | TRB247 | TRB256 | TRB500 | TRB501 |
| 5G | | | | | | | | | | | • | • |
| 4G/LTE | | Cat 4 | Cat 1 | Cat 1 | Cat 4 | Cat 1 | Cat 6 | Cat 4 | Cat 1 bis | M1/NB | Cat 20 | Cat19 |
| 2G/3G | | 2G/3G | 2G/3G | 2G/3G | 2G/3G | 2G/3G | 3G | 2G/3G | | NB2/EGPRS | 3G | 3G |
| CPU (MHz) | 580 | 1200 | 1200 | 1200 | 1300 | 1200 | 1200 | 580 | 580 | 580 | 1500 | 1500 |
| RAM (MB) | 128 | 128 | 128 | 128 | 256 | 128 | 128 | 128 | 128 | 128 | 256 | 512 |
| Flash memory (MB) | 16 | 512 | 512 | 512 | 512 | 512 | 256 | 16 | 16 | 16 | 512 | 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 | 9-30 | 9-30 |
| SIM card slots | | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 1 |
| eSIM | | | | | | | | | •* | | •* | |
| Ethernet ports | 1 | 1 | | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 |
| Ethernet speed (Mbps) | 100 | 1000 | | | 1000 | | 1000 | 100 | 100 | 100 | 1000 | 2500 |
| Wi-Fi standard | | | | | | | | | | | | |
| GNSS | • | | | | | | | • | • | • | | |
| I/Os | 7 | 2 | 8 | 2 | 2 | 2 | 2 | 7 | 7 | 7 | 2 | 2 |
| RS232 | • | | | • | | | | • | • | • | | |
| RS485 | • | | | | | • | | • | • | • | | |
| Bluetooth | | | | | | | | | | | | |
| USB | | Client | Client | Client | | Client | Power/Data | | | | Client | ? |
| Integrated bracket | | | | | | | | | | | | |
| Grounding terminal | | | | | | | | | | | | |
| RMS support | | • | • | • | • | • | • | • | • | • | • | • |
| RutOS | • | • | • | • | • | • | • | • | • | • | • | • |
| M-Bus | | | | | • | | | | | | | |

*Depends on the order code.

| PRODUCT KEY FEATURES | MODEMS | | | | | ACCESS POINTS | | | | | EMBEDDED SOLUTIONS | | |
|-----------------------|------------|------------|------------|------------|------------|---------------|--------|--------|--------|--------|--------------------|------------|-----------------|
| | TRM142 | TRM200 | TRM240 | TRM250 | TRM500 | TAP100 | TAP200 | DAP140 | DAP142 | DAP145 | CALYX 4G | CALYX 5G | CALYX 5G REDCAP |
| 5G | | | | | • | | | | | | | • | Redcap |
| 4G/LTE | Cat4 | Cat4 | Cat 1 | M1/NB | Cat 19 | | | | | | Cat 4 | Cat 19 | Cat 4 |
| 2G/3G | | 3G/2G | 3G/2G | 2G | 3G | | | | | | 3G/2G | 3G | |
| CPU (MHz) | | | | | | 580 | 2×880 | 580 | 580 | 580 | | | |
| RAM (MB) | | | | | | 64 | 256 | 128 | 128 | 128 | | | |
| Flash memory (MB) | | | | | | 16 | 16 | 16 | 16 | 16 | | | |
| Active PoE-out | | | | | | | | | | | | | |
| Active PoE-in | | | | | | • | • | | | | | | |
| Passive PoE-in | | | | | | | | • | • | • | | | |
| Power voltage (VDC) | 9-30 | 5 | 5 | 5 | 9-30 | 44-57 | 44-57 | 9-30 | 9-30 | 9-30 | 5 | 5 | 5 |
| SIM card slots | 1 | 1 | 1 | 1 | 1 | | | | | | 1 | 1 | 1 |
| Ethernet ports | | | | | | 1 | 1 | 2 | 2 | 2 | | | |
| Ethernet speed (Mbps) | | | | | | 100 | 1000 | 100 | 100 | 100 | | | |
| Wi-Fi standard | | | | | | n | ac | n | n | n | | | |
| GNSS | | | | | | | | | | | | | |
| I/Os | | | | | | | | | | | | | |
| RS232 | | | | | | | | | • | | | | |
| RS485 | | | | | | | | | | • | | | |
| Bluetooth | | | | | | | | | | | | | |
| USB | Power/Data | Power/Data | Power/Data | Power/Data | 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 | SWM280 | SWM281 | SWM282 | |
| 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 | | | | | 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 | 100-240 VAC | 100-240 VAC | 100-240 VAC | |
| Ethernet ports | 5 | 8 | 8 | 5 | 5 | 5 | 5 | 8 | 8 | 8 | 8 | 4 | 5 | 24 | 24 | 24 | |
| SFP ports | | | | | | | | 2 | 2 | 2 | 2 | | | 4 | 4 | 4 | |
| Ethernet speed (Mbps) | 100 | 100 | 100 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 100 | 1000 | 1000 | 1000 | |
| Integrated bracket | • | • | • | | | | • | • | • | • | • | • | • | | | | |
| Grounding terminal | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | |
| RMS support | | | | | | | | | • | | • | | | • | • | • | |
| TswOS | | | | | | | | | • | | • | | | • | • | • | |



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