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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

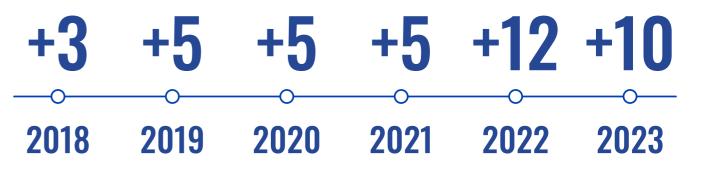
We not only work but also live to help and share kindness to the people, especially to those who need our help the most. We are keeping our values by continuously and courageously creating synergy between Teltonika and business partners, as well as clients.

#### 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

DIS SERVERS

TELTONIKA | Networks

#### Easy to use

RECENT SYSTEM EVENTS 0

Streamlined and customisable UX for simple yet comprehensive management

Q / AUTX\_ROLDT\_0Z\_1
View Settings

#### 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
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#### 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



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 RMScompatible 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



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

#### 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** 

## RUT241

Seamless cellular connectivity for everyday solutions

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

#### FEATURES

#### Single-SIM LTE

4G LTE (Cat 4), backward compatible with 3G & 2G

#### WAN failover

Automatically switches to an available backup connection

#### Interfaces

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

#### Wi-Fi

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

## RUT361

Comprehensive cellular capabilities

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

#### FEATURES

#### 4G LTE Cat 6

Cellular speeds of up to 300Mbps with carrier aggregation

#### Wi-Fi

802.11 b/g/n wireless access point with hotspot functionality

#### WAN failover

Automatic switching to available backup connection

#### RMS

For remote management, access & VPN services





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



All-reliable cellular router, available globally



Master of interfaces available globally, including RS232 and RS485

#### IDEAL FOR

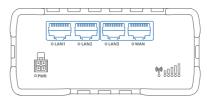
#### Industrial applications

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

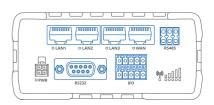
#### Remote monitoring & management

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

## VERSATILE INTERFACES, UNLIMITED POTENTIAL







\*RUT956

DUAL-SIM CELLULAR ROUTERS

## RUT9 SERIES

Dual-SIM for uninterrupted connectivity

EXPERT INDUSTRIAL ROUTERS RUTX SERIES High-performance optionality

COMMON FEATURES

#### Connectivity

4G cellular, Ethernet & wireless routers

#### Interfaces

Including Gigabit Ethernet, digital I/Os & USB

Wi-Fi & BT

Wave-2 802.11ac Dual-Band Wi-Fi & Bluetooth LE **RMS** 

Compatible with our Remote Management System

#### RUTX10

Ethernet connectivity with Bluetooth and Dual-Band Wi-Fi



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



PERFECT FOR WI-FI MESH NETWORKS

5G CELLULAR ROUTERS 5G SERIES The 5G evolution of connectivity

COMMON FEATURES

5G

Ultra-high cellular speeds of up to 3.4 Gbps

Dual-SIM

Auto-failover, backup WAN, and other switching scenarios SA & NSA

Supports both SA & NSA 5G architectures

Future-proofing

Backward compatible with 4G (LTE Cat 19/18)

FIRSTNET.

Built with AT&T



5G powerhouse for the North American market

COMING SOON



5G powerhouse with a Telit module for the North American market IDEAL FOR

#### Mobile & temporary deployments

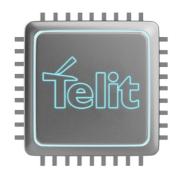
Pop-up stores, event venues, outdoor festivals, construction sites, and other locations requiring reliable and quick-to-deploy connectivity

#### Travel & tourism

Perfect for solutions requiring on-the-go, high-speed connectivity, suitable for travel agencies, cruise ships, RVs, and boats

#### Remote livestreaming

Enabling content creators, journalists, and event organisers livestream events and other on-the-go footage in real time



RUTM54: EUROPEAN-MADE, EUROPEAN-GRADE

#### COMING SOON



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





## 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



4 PoE+ ports for your powering needs



Tailor-made for automotive solutions



For your 5-port solution needs



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



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



8 PoE+ Ethernet & 2 SFP for maximum efficiency



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



8-PORT MANAGED SWITCHES TSW2 SERIES Managed switches for expert applications 30

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



Network control with PoE+ capabilities



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



Unmanaged switch for zero-hassle deployment

IDEAL FOR

Factory floor automation

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

TSW010

FEATURES

5-port switch

5 × 10/100 Mbps Ethernet ports 2-pin power

Simple & suitable for industrial applications

Easy mounting 0

Integrated DIN rail bracket for plug-and-play deployment Industrial-grade

Anodised aluminium housing and panels



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



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



#### 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



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



FOR RUT241

4G & Wi-Fi Order code: PR1IC860



FOR RUTM50

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



FOR RUT9
SERIES

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





## **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 vou'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



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



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 Order code: PR2FK20M



**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



SINGLE PORT GIGABIT POE INJECTOR EU: PR322EU7 / UK: PR322UK7



#### ANTENNA OPTIONS



Wi-Fi MAGNETIC SMA ANTENNA Order code: PR1KRF30



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



5G MOBILE MAGNETIC SMA ANTENNA Order code: PR1KS536



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5G MOBILE SMA ANTENNA Order code: PR1US540



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



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



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

OTHER



RACK MOUNTING KIT Order code: PR5MEC26



SURFACE CLIP HOLDER KIT Order code: PR5MEC22



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



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		RUT140	RUT142	RUT241	RUT361	RUT951	RUT956	RUTX10	RUTX11	RUTM50		TAP100	TAP200
5G										•			
4G/LTE				Cat 4	Cat 6	Cat 4	Cat 4		Cat 6	Cat 19			
2G/3G				2G/3G	3G	2G/3G	2G/3G		3G				
CPU (MHz)		580	580	580	580	580	580	4×717	4×717	2×880		580	2×880
RAM (MB)		128	128	128	128	128	128	256	256	256		64	256
Flash memory (MB)		16	16	16	16	16	16	256	256	256		16	16
Active PoE-in												•	•
Passive PoE-in		•	•	•		•	•	•	•	•	S		
Power voltage (VDC)	တ	9-30	9-30	9-30	9-30	9-30	9-30	9-50	9-50	9-50	NIO	44-57	44-57
SIM card slots	TER			1	1	2	2		2	2	РО		
Ethernet ports	ПО	2	2	2	2	4	4	4	4	5	E S S	1	1
Ethernet speed (Mbps)	œ	100	100	100	100	100	100	1000	1000	1000	O O	100	1000
Wi-Fi standard				n	n	n	n	ac	ac	ac	∢	n	ac
GNSS							•		•	•			
I/Os				2	4	2	7	2	2	2			
RS232			•				•						
RS485							•						
Bluetooth								•	•				
USB							Host	Host	Host	Host			
Integrated bracket		•	•									•	•
Grounding terminal		•	•					•	•	•			
RMS support				•	•	•	•	•	•	•		•	•
RutOS		•	•	•	•	•	•	•	•	•		•	•

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

