RUT956 Firmware Downloads

<u>Main Page</u> > <u>RUT Routers</u> > <u>RUT956</u> > **RUT956 Firmware Downloads**

This page contains firmware files for RUT956 devices. Look to the table below or the <u>changelog</u> to find download links.

To upgrade firmware using WebUI, follow the instructions in **RUT956 Firmware**.

RUT956					
File	Туре	Release date	Size	MD5	Changelog
RUT9M_R_00.07.07.1_WEBUI.bin	Latest FW	2024.05.03	12.63 MB	7d9a10e7d77c6ec37ce4713e76f9567f	<u>Link</u>
RUT9M_R_00.07.06.10_WEBUI.bin	Mass production FW	2024.04.04	12.31 MB	a8f196d4a1b1d2c36e98162ee2c92144	<u>Link</u>
RUT9M_R_GPL_00.07.07.1.tar.gz	SDK	2024.05.03	21.24 MB	588574fda0cabfc9959cbff48d84ecf7	

Note: packages for <u>Package Manager</u> are independent from firmware and can be downloaded in the <u>Package Downloads</u> page.

FW checksums

Checksums for firmware files can be found here.

Changelog

RUT9M_R_00.07.07.1 | 2024.05.03

- Improvements
 - Network
 - Mobile: improved connection establish time for uqmi protocol
 - System
 - WebUI: improved first login password change logic
 - Certificates: updated Root CA certificates
- Fix
- Network
 - Mobile: fixed denied roaming flag set
- Services
 - Modbus TCP Over Serial Gateway: fixed gateway returning corrupted data with larger baud rates
- CVE Patches
 - o CVE-2024-2397

RUT9M_R_00.07.07 | 2024.04.16

New

Network

- WebUI: added ESM/EMM message notifications
- WebUI: added internet status tracking configuration and overview widget
- LAN: added a new IPv6 LAN status page
- Static Leases: added a new IPv6 Static Leases page
- WebUI: added custom domain name resolve option in "DNS" configuration page
- Auto APN: added "uno.au-net.ne.jp" APN for "KDDI" operator
- Auto APN: added 'eprivate010.tisparkle.com' APN for "Sparkle" operator
- QoS: added mobile interface select option
- Failover: added additional connection flush options
- Wireless: added auto-reconnect disable functionality
- Wireless: added ability to use PKCS#12 certificates for EAP-TLS authentication
- VRF: added initial Virtual Routing and Forwarding support

Services

- Post/Get: added I/O invert support
- DLMS Client: added persistent TCP connections
- Events Reporting: added unexpected shutdown event
- Modbus Client: added 64bit data types
- IPerf3: added iPerf3 to Package Manager
- DNP3 Outstation: added I/O objects
- Modbus Serial Server: added option 'Mobile data type'
- TR-069: added PCI, LAC, TAC, EARFCN and Neighbour cells data to Device.MobileInfo node
- Hotspot: added domain and subdomain options for external landing page
- Over IP: added option 'Keep alive enable'

System

- WebUI: added the ability to generate random passwords for password input fields
- WebUI: added reset to "Factory defaults" option
- System: changed firmware certificate verification tool
- IP Block: added time-based login attempt blocking
- WebUI: added firmware update notification support
- PAM: added the ability to set port for TACACS+
- Logging: added multiple remote syslog servers support

• Improvements

Network

- Static Leases: added possibility to use MAC with wildcard
- WebUI: added ability to disable modem update notifications
- Topology: changed network devices scanning application
- WebUI: improved design of Status LAN page
- DHCP: simplified DHCP configurations in other pages and moved full DHCP configuration to a separate page
- DHCP: removed default disabled server configuration for WAN interface
- WebUI: simplified data entry of DNS forwardings by separating hostname and IP address fields
- BGP: added Virtual Routing and Forwarding (VRF) support
- BGP: added multiple BGP instance support
- WebUI: adjusted responsive design breakpoints
- WebUI: added additional field for warning threshold to allow entering value as

- percentage in Mobile Data Limit section
- Mobile: improved mobile services stability when SIM card is lost during SMS sending
- Mobile: updated bridge/passthrough mode logic to flush ARP and add static ARP entry if MAC is specified
- Mobile: improved SIM switch logging and protection on failure to acquire data
- WebUI: added partial data loading to APN database page
- Mobile: improved SMS sending timeouts during network issues
- Mobile: improved connection handling when data limit is reached
- Mobile: added metric to default gateway when using passthrough mode
- WebUI: added validation for 2 same APNs
- WebUI: updated Band selection field to show duplex modes in Mobile General page
- Mobile: improved connection establishment time on device boot up
- WebUI: added an information icon and disabled delete button for wireless instance when it is associated with a hotspot interface
- Wireless: improved hidden AP handling when showing scan results
- Dnsmasq: updated dnsmasq to version 2.89

Services

- Wireguard: added option to bind tunnel to a specific interface
- OPC UA Client: added limits (10 servers, 20 groups, 50 nodes per server, 50 values per group)
- DLMS Client: increased maximum count of connection sections to 30
- DLMS Client: added short name referencing
- SNMP: set strict default community access when IPv6 address is used
- SNMP: improved sysName OID to set device's hostname
- OpenVPN: added the bridge option for selecting the network device to be bridged with
- OpenVPN: added possibility to create more than one TAP client
- Auto Reply: added available SMS message parameters to "Message text" input
- Modbus Client: allow using diacritics in SMS alarms
- Hotspot: moved MAC blocking option from Access Control to Hotspot page
- WebUI: added MAC authentication support when using RADIUS authentication mode
- WebUI: moved licenses to footer
- AVL: added HDOP in TAVL settings
- AVL: added ADC and ACL I/O types for secondary AVL rules
- NTRIP: added a limit of 20 configurations
- SSTP: updated package version to 1.0.19
- Mosquitto: updated package version to 2.0.17

System

- WebUI: added more strict password requirements for restoring backup
- SMTP: added option to either not verify SMTP server or upload SMTP server's CA file to verify authenticity
- WebUI: Added the ability to choose the ROOT CA when using certificates from the device
- WebUI: unified time format to ISO8601 across the entire WebUI
- WebUI: added ability to choose imported certificate and key as 'Server certificate' and 'Server key' in 'Access Control'
- WebUI: added 'Hosts' and 'IP Addresses' options for 'Simple' certificate generation and certificate signing

- WebUI: changed firmware update option to server as a default option
- GPL: added offline package preparation command for GPL builds
- Speedtest: added multiple connections support to improve accuracy
- Kernel: updated to version 5.15.149
- Libcap: updated package version to 2.69

• Fix

Network

- Topology: fixed showing interfaces with assigned VLAN
- WebUI: fixed static routing creation for GRE instance
- Network: fixed DHCPv4 relay mode enabling
- Mobile: fixed PIN code set after modem restart
- Mobile: fixed an issue where using SIM change command on one SIM slot modems would reset connection
- Mobile: fixed an issue where message storage would not be checked correctly
- Mobile: fixed temperature value sometimes returning 0
- Mobile: fixed issue where RSSI value was displayed as 0 when using 2G/3G network types
- SIM Switch: fixed an issue when low "Check interval" was causing connection to fail
- SIM Idle Protection: fixed problem when the SIM slot remained unchanged
- Mobile: fixed an issue where SIM switch would fail when switching to PUK blocked SIM
- Mobile: fixed an issue where sim switch would be executed twice immediatelly causing sim to not be switched
- Mobile: fixed SIM PIN saving for non primary SIM cards
- Failover: fixed Failover missing active rules when using multiple source and destination IP addresses
- Failover: fixed an issue where failover would not function correctly while using a mobile interface
- WebUI: fixed network and failover interface metric sorting synchronization issue
- WebUI: fixed failover rule policy save issue with newly added WAN interface
- Interfaces: fixed failover value for new WAN being taken from WAN that was just deleted
- Wireless: fixed Wifi Scanner not saving scanned WiFi SSIDs
- Wireless: fixed missing CCMP-256 and GCMP-256 cipher types in scan results
- Wireless: fixed missing GCMP-256 cipher when using WPA3-EAP encryption in Client mode
- Wireless: fixed skipped MAC address value for interface in Client mode
- Wireless: fixed scanning issue when connected via the same network
- Wireless: fixed mesh functionality
- Wireless: fixed missing signal strength value on Client interfaces
- Wireless: fixed Client interface taking excessive time to connect after boot
- Wireless: fixed missing EAP authentication in Client mode
- WebUI: fixed mesh nodes not being shown in Status->Wireless->Interfaces page
- WebUI: fixed proposed configuration settings when connecting to a mesh point network
- Wireless: fixed connected wireless clients being shown duplicated
- MultiAP: fixed client not switching to another AP if incorrect password was provided

Services

Modbus Client: allow using negative floating point values in requests

- Azure IoT Hub: fixed Data to Server minor WebUI dependency bugs
- Data to Server: fixed DLMS data formating
- Data to Server: fixed Network link state data display
- DLMS Client: fixed segfault while reading profile generic COSEM object
- DLMS Client: fixed profile generic entries reading
- DLMS Client: fixed application memory allocation issues
- SSTP: fixed route adding when default route is enabled
- SNMP: fixed VLAN OID naming
- OpenVPN: added fixes for instance status tracking functionality
- OpenVPN: resolved uptime counting issues
- PPTP: fixed PPTP instance deletion problem
- Azure IoT Hub: fixed 'contentType' telemetry message parameter
- Hotspot: fixed password validation for locally created users and signed-up users
- Hotspot: fixed session invalidation after deleting registered user
- Hotspot: fixed SMS OTP password reuse
- Hotspot: fixed firewall rule creation
- PPTP: fixed problem related with routes when failover is enabled
- Modbus Client: fixed issue where service freezes when SMS alarm is sent
- Modem over serial: improved robustness against modem reboots
- Modbus Server: updated 'GPS fix time' register to store the UTC date and time of GPS position
- WebUI: fixed data loading error in Input/Output > Post/Get page
- UPnP: updated package version to 2.3.4

• System

- NTP Client: fixed "Count of time synchronizations" execution when synchronization to mobile operator is chosen
- Package Manager: fixed spinner message when restarting network after package upload or download
- Package Manager: fixed supported devices check when installing a package from server
- WebUI: fixed language install from uploaded package after upgrade with keep settings
- WebUI: fixed an issue when a user was not logged out after changing profiles
- Telnet: fixed segmentation fault during concurrent connections
- CLI: fixed enter key issue on mobile chromium based browsers
- System Users: fixed SSH session close after deleting user or disabling SSH access
- Profiles: fixed profile migration with installed packages
- JavaVM: fixed package installation
- WebUI: fixed Hotspot log page table search functionality
- Speedtest: fix missing download speed on some servers
- PAM: updated libpam to version 1.6.0

CVE Patches

- CVE-2022-4603
- CVE-2022-23308
- CVE 2022-45061
- CVE-2023-0466
- CVE-2023-6129
- CVE-2023-7042
- CVE 2023-24329
- CVE 2023-27043
- CVE-2023-42366

- CVE-2023-46218
- CVE-2023-46219
- CVE-2023-46752
- CVE-2023-46753
- CVE-2023-48795
- CVE-2024-25062
- CVE-2024-27913
- CVE-2024-22365

RUT9M R 00.07.06.10 | 2024.04.04

Global changelog for R_00.07.06.10 - LINK

RUT9M_R_00.07.06.8 | 2024.03.25

• Firmware **R_00.07.06.8** was removed due to an issue with inefficient memory allocation for LED control.

<u>RUT9M_R_00.07.06.6</u> | 2024.03.04

• Global changelog for **R_00.07.06.6** - LINK

RUT9M R 00.07.06.5 | 2024.02.21

• Global changelog for **R_00.07.06.5** - LINK

<u>RUT9M_R_00.07.06.3</u> | 2024.01.17

• Global changelog for **R_00.07.06.3** - LINK

RUT9M R 00.07.06.1 | 2024.01.04

- Fix
 - Services
 - Fixed issue with NTPclient zombie processes

RUT9M R 00.07.06 | 2023.12.20

- New
 - Network
 - Enabled IPv6 by default for mobile interfaces
 - Added operator blacklisting and whitelisting based on mobile country code
 - Added SIM card not inserted event in Events Log
 - Added 802.11v BSS Transition Management and 802.11k Radio Resource

Measurement

Services

- Added OPC UA Server
- Added the ability to set port for TACACS+ in PAM service
- Added switch to enable using root certificate authority for MQTT alarms in Modbus Client services
- Added new alarm action "Ubus event" in Modbus Client services
- Added new input "Modbus alarms" in Data to Server service
- Added wget ping subtype support in Events Reporting service
- Added new I/O SNMP OID that returns numeric I/O state
- Added new Post/Get service action "mobile_sim_pin" for changing used SIM PIN code on the device
- Added TLS support for OverIP serial functionality

• WebUI

- Added Tailscale VPN support
- Renewed user interface design
- Added network interface name change functionality
- Added last resort configuration option for multiwan policy rules
- Added indication when new modem firmware is available
- Added mobile connection establishment display in mobile status page
- Added default value for "Reset threshold" field in Low Signal Reconnect feature

System

- Added ability to enable/disable SSH access for specific users in System Users
- API support
- Added new ADC IC "TLA2021" support
- Added new Serial IC "CH343" support

• Improvements

Network

Disabled operator scan when SIM card is not inserted

Services

- Expanded GRE VPN keep alive functionality to disable routes from unreachable tunnel
- Added PKCS#12 certificate container authentication method in IPsec VPN
- Added TLV message payload support for SNMP service
- Added Purple.ai configuration profile
- Replaced option "No leading zeros" with "Remove all zeros" in Over IP serial functionality
- Added possibility to assign mobile interface in SQM service
- Added reboot on storage device disappearance and re-appearance
- Added additional anonymous phone number validation in Mobile Utilities service
- Added "N/A" signal strength response in DNP3 service if SIM card is not inserted

• WebUI

- Improved Events Log page loading by adding asynchronous pagination (pasikeitė puslapiavimo logika nei prieš tai buvusi)
- Removed requirement for Diffie-Hellman parameters in OpenVPN service
- Added improvements for creating OpenVPN IPv6 configurations
- Added auto redirect after changing router's IP address or port
- Added "Interface" dropdown for interfaces selection in Wake on LAN service
- Increased Data to Server service MQTT topic length limit to 65535 characters
- Added OSPF external routes section to Status page

- Moved device menu entry "Reboot" to header menu
- Added indication in Overview, Status -> Mobile and WAN pages when mobile data limit is reached
- Updated Operator state field to show if modem is in limited service
- Combined Mobile Usage day, week, month and total pages into one
- Updated Realtime data -> Mobile signal page design to show all available modems and their bands data in one graph
- Added message when SIM card requires PIN/PUK code in Status -> Mobile page
- Moved WiFi scanner page to Services section

System

- Added Mosquitto CVE patch 2023-28366
- Added Mosquitto CVE patch 2023-3592
- Updated cURL version to 8.4.0
- Updated kernel version to 5.4.259
- Added RMS data display to generated troubleshoot
- Added downloaded Package Manager packages list to generated troubleshoot
- Added process activity load list to generated troubleshoot
- Changed default OPKG feed to use Teltonika's URL

• Fix

Network

- Fixed DMVPN firewall rule creation issues
- Fixed Failover missing active rules when using multiple source and destination IP addresses
- Fixed mobile service crash due to buffer overflow while reading partially overwritten SMS
- Fixed an issue with Manual APN connection making attempts too rapidly
- Fixed deny data roaming functionality when transitioning between roaming and home operator network
- Fixed network disconnection on mobile network detach and DHCP lease loss situations
- Fixed VoLTE configuration after modem reboot
- Fixed Mobile interface bridge and passthrough mode connectivity loss
- Fixed an issue where rarely PIN code would get removed after SIM switch
- Fixed mobile operator list being not updated after changes in WebUI
- Fixed issue where mobile interface was unreachable after device reboot or interface restart while using Failover service
- Fixed wireless client authentication failures when using AP and STA with WPA3-SAE authentication
- Fixed STA connection failure to AP with hidden SSID using WPA3-SAE authentication
- Fixed incorrect signal strength values in Wireless scan results

- Fixed SSH module enable in PAM service
- Added minimum free space check when saving logs to flash in Logging service
- Fixed "Set multiple coils" function sending too many bytes in Modbus Client services
- Fixed multiple Events Reporting messages being sent when Firewall configuration is changed
- Fixed VRRP instances advertising wrong virtual IPs
- Added Hotspot information in SNMP MIB file

- Fixed registered Hotspot Local Users showing random username
- Fixed selection of MAC Auth for LAN interfaces in Hotspot service
- Fixed inconsistent Hotspot login behaviour when using MAC Auth with Password
- fixed instance shutdown after last local user deletion
- Fixed Cumulocity app not sending any telemetry data
- Fixed Call Utilities failure when caller id is hidden during a call
- Fixed AVL with poor mobile connections
- Fixed default profile SMS Utilities I/O status rule configuration in Profiles functionality
- Fixed serial timeout not working in Over IP serial functionality
- Removed "Echo" option in Modbus TCP over Serial functionality
- Fixed CRC verification failing when CRC is correct in Modbus TCP over Serial functionality
- Fixed crash when getting unexpected messages from RTU in Modbus TCP over Serial functionality
- Fixed RMS I/O data display to return values calculated by formula

• WebUI

- Fixed side menu style issues when Japanese language is used
- Fixed displaying of vendor names in Topology page
- Fixed language packs being selectable when still in Package Manager queue
- Added ability to configure IPv6 BGP peer
- Fixed RelayD configuration issues after keep settings
- Fixed realtime graphs responsive design issues
- Fixed Network Shares users deletion
- Fixed not all LAN interfaces shown in dropdown in Hotspot service page
- Fixed modem updater legacy firmware flashing
- Fixed wireless realtime data to show signal as unavailable with no connected clients
- Fixed WiFi scanner disconnecting AP users
- Fixed setup wizard errors in Wireless configuration page
- Fixed Unicode SSID representation in Wireless scan results

System

- Patched FRR CVE-2023-38406
- Patched FRR CVE-2023-38407
- Patched FRR CVE-2023-41358
- Patched FRR CVE-2023-41360
- Patched FRR CVE-2023-41909
- Patched FRR CVE-2023-47234
- Patched FRR CVE-2023-47235
- Patched OpenSSL CVE-2023-3446
- Patched OpenSSL CVE-2023-3817
- Patched LibXML2 CVE-2023-39615
- Patched LibXML2 CVE-2023-45322
- Patched FFMPEG CVE-2021-28429
- Patched FFMPEG CVE-2022-48434
- Patched dnsmasg CVE-2023-28450
- Fixed running out of space when SSHFS is mounted in /tmp while generating troubleshoot

RUT9M R 00.07.05.4 | 2023.11.09

Improvements

- WebUI
 - Improved asynchronous pagination in events log pages
 - Optimized Overview page load
 - Added resource loading cancellation after switching to different page

RUT9M_R_00.07.05 | 2023.10.09

• New

Network

- Added "shared.m2m.ch" APN for Swisscom IoT operator to APN database
- Added "gamma" APN to auto-APN database
- Added "soracom.io" APN for Soracom operator to APN database
- Added "simbase" APN to auto-APN database
- Added "pnd" APN for Pond IoT to auto-APN database
- Added "spitfire1" APN for Spitfire operator to APN database
- New argument in "gsmctl" CLI command for Carrier aggregation
- Numeric mode support for modem AT commands
- Enabled dynamic MTU configuration on mobile interfaces by default
- WDS support for wireless bridging

Services

- DLMS Client package
- 7zip package
- TincVPN package
- Added router uptime and mobile connection uptime data parameters to SNMP
- Custom MQTT publisher/subscriber topics definition support
- Alternative configuration file upload support for MQTT Broker service
- Device Provisioning Service support for Azure IoT Hub service
- Added more mobile usage parameters to SNMP
- Java VM package
- SIM Idle Protection package
- Moved SOcat to Package Manager

• WebUI

- Firewall status page
- Page search feature
- Network Topology page
- "Allow insecure connection" option for MQTT TLS protocol in Data to Server service
- Package Restore feature Enable/Disable option
- Hotspot client connection/disconnection trap option for SNMP service
- Added Events log trap option for SNMP service
- Confirm dialog when cancelling a verified package in Package Manager
- "Bridge ALPN" option for Bridge configuration in MQTT Broker service
- New subtypes of events that specify a specific port on "Events Reporting" and "SNMP Trap rules" pages
- Specific firmware packages repository link in Package Manager page
- Ability to enter decryption passphrase for encrypted private keys
- "Reconnect" button in RMS page
- New event "Device startup completed" in Events Reporting service

- Port status and configuration page
- Wireless interface QR code generator
- Channel analysis page Status -> Wireless -> Channel Analysis
- Disabled direct network interface deletion when it is associated with a wireless interface
- Limited to a single section configuration and added IP address field for Relayd service
- "Fast roaming" configuration for Wireless service in Client mode
- Updated Status->Network->Wireless page to display interfaces as cards and added ability to filter connected clients by selected interface
- "Write to config" option for SIM Switch action in I/O Juggler service
- Added formula for analog signal value conversion to other unit value
- Configurable GPS NMEA prefix
- Support for using hostnames in "Server address" field for NTRIP service
- "Start up message" field for Modem control serial utility
- Modem Debug page
- APN database management page added to package manager
- Added "Message forwarding" option in SMS Rules page when rule type is "Execute custom script"
- Ability to unblock SIM card and insert SIM PIN in Overview page
- New SMS rules "Reset mobile connection" and "Reload config"
- "SMS limit clear due" display in Overview page
- Added modem temperature to System -> Status page
- New "Server+Client" work mode for OverIP Serial Utility
- New "Connect on data" action for OverIP Serial Utility
- Multiple Client instance support for OverIP Serial Utility
- IP6 table configuration option for DHCPv6 protocol in Network -> WAN page

• System

- Mechanism to rebrand WebUI using GPL
- Possiblity to create web applications with closed-source GPL

Improvements

Network

- Moved FRR VTYSH package to package manager
- Made newly created Firewall Traffic, NAT rules and Port Forwards disabled by default
- Improved Interfaces to enable IPv6 DHCP server when mobile v6 or v4v6 PDP type is set.
- Improved auto APN selection
- SMS sending event is now logged into events log
- Improved roaming control
- Removed unused APN usernames and passwords from auto-APN database
- Added connection to the operator when no mobile interfaces are active
- Improved VoLTE management functions
- Improved cases where Low Signal Reconnect sometimes executed prematurely
- Improved wrong SIM PIN remove logic
- Added automatic reconfiguration when switching between wireless interface modes
- Added automatically generated name option for new network
- WPA3/WPA2 (PSK/SAE) mixed mode is now default encryption standard
- Improved operator information parsing logic on MeiG modem

Services

- New reworked Data to Server
- UPNP moved to package manager
- Added IPv6 support for Modbus TCP Server/Client services
- Refactored Azure IoT Hub service
- Improved resiliency to timeouts in Modbus Client service
- Added PDU data type to Modbus read requests
- Added new formatters for MQTT alarms in Modbus Client service
- Added main section to make test functions independent in Modbus Client service
- Improved WAN IP register reading time in Modbus service
- Sped up default profile and profile template generation for Profiles functionality
- Optimized profile change time for Profiles functionality
- Added IPv6 support for Stunnel VPN
- Added MAC blocking for client connections after set amount of failed login attempts in Hotspot service
- Improved TCPdump by allowing to capture packets from any interface
- Added OSPF support for DMVPN
- Updated Hotspot password hashing to sha512
- A single SMS message with multiple PDUs is sent instead of multiple SMS messages in Email to SMS service
- Allowed connection to SMPP server using IPv6 address
- Extended IP unblock action functionality in SMS Utilities
- Increased allowed Email to SMS service message size to 61440 bytes
- Added parameter "%gs" that sends GPS data in formatted info message
- Updated AVL to prefer checking network status through Failover if configured
- Added I/O pin name to trap notification message

• WebUI

- Reorganized menu
- Updated header design
- Split Interfaces configuration in Advanced mode into two pages: WAN and LAN, identically as in Basic WebUI mode
- Moved Interfaces IPv6 configuration into seperate tab
- Added client/server status information in OpenVPN instance overview page
- Added more IPv6 information to interface status in Interfaces page
- Removed "Custom delegated IPv6-prefix" field from DHCPv6 configuration in Interfaces page
- Disabled DHCPv6 interface editing while in basic mode
- Refactored custom DHCP options into seperate modal
- Added automatic start and end IP allocation for DHCP server configuration in Interfaces
- Added client/server status information in L2TP VPN page
- Added "MTU" field to L2TP client configuration page
- Added CHAP, PAP and MSCHAP-v2 authentication fields to L2TP instance configuration
- Added more detailed IPsec VPN status information
- Encryption AES-256-CBC added as default in OpenVPN
- Added "Authentication algorithm" support to OpenVPN configuration with static key mode
- Added GRE (DMVPN) VPN tunnel source support to any instead of specific interface
- Improved Hotspot landing page theme package removal

- Added upload and download theme functionality to Hotspot Landing page
- Improved ZeroTier VPN bridge configuration
- Added ability to adjust order of rules in Firewall page
- Added IPv6 RAW table to be displayed in Status -> Firewall
- Improved file upload component"s visual appearance
- Change "Allow anonymous" option default value to 0 in MQTT Broker
- Added option to specify "Client ID" in MQTT Publisher
- Added functionality to select specific interface in Web Filter service
- Allowed to select FTP server subfolder in Traffic Logging service
- Renamed various service master/slave naming convention in config files, package names and webUI to client/server
- Added "Create static" button in Status -> Network -> LAN which bind DHCP lease for device
- Updated Status -> Network -> Mobile page layout
- Added bandwidth, provider in Status -> Network -> Mobile page
- Added colors for signal strength values in Status -> Network -> Mobile page
- Added frequency, pcid, mcc, mnc and LAC values in Status->Network->Mobile page
- Refactored network type selection in Network -> Mobile -> General page
- Serving cell information is not returned anymore when SIM card is not inserted
- Changed default "Check interval" option value in Network -> Mobile -> SIM Switch page
- Added button in a Scanned operators table which allows to add an operator to the operator list
- Added search bar in Mobile Utilities -> SMS Utilities page
- Added SMS sent and limit count to Network -> Mobile -> General page
- Added GPS longitude and latitude data in TR069
- Updated Mobile Signal graphs to show EC/IO and RSCP values when network type is 3G
- Added DFS channel marking in Network -> Wireless
- Show wireless MAC address even when interface is inactive in Status -> System page
- Merged Multi AP configuration to wireless interface edit modal
- Added automatic network switch to bridge if selected in Wireless configuration
- Added default encryption for newly created wireless interfaces
- Simplified "802.11r Fast Transition" configuration options in Wireless interface configuration
- Added IPv6 support in OverIP serial utility
- Updated "Change SIM" action type to display configured SIM target in I/O Juggler
 Actions overview page

System

- Updated kernel version to 5.4.251
- Updated UCI version to 2021-10-22
- Updated SSHFS version to 3.7.1
- Updated FRR suite to 8.4.2
- Updated cURL version to 8.2.0
- Updated TCPdump version to 4.99.4
- Updated C-ares version to 1.19.1
- Updated curl version to 7.88.0
- Updated iproute2 version to 5.19.0
- Updated libubox package version to 2021-08-19

- Added CVE patch CVE-2023-2650
- Added additional firmware information in CLI prompt banner
- Connection mode LED now blinks on data transfer
- Changed "routername" to "devicename" in system config file
- Made all clients get disconnected out once dropbear service is disabled
- Improved firmware downgrade restrictions for certain regions
- Device name is now displayed in browser tab when in WebUI login page
- Added NF conntrack information in generated troubleshoot archive

• Fix

Network

- Fixed UDP Broadcast Relay service crashing on start without physical network device
- Fixed SMS limit period migration
- Fixed SMS limit size breaking various functionality
- Fixed custom IPv6 DNS option not overriding default DNS from operator
- Fixed an issue with blacklist and whitelist connection
- Fixed multipart SMS handling
- Changed modem init behavior if Modem Control serial utility feature is enabled
- Fixed wrong SIM state display when SIM is fully blocked
- Fixed incorrect virginmobile APN MNC
- Fixed mobile operator scanning fault when no mobile interfaces are active
- Fixed mobile interfaces generating multiple events on mobile connection
- Fixed PDU SMS parsing when operator provides user data header in single part SMS
- Added scheduled data limit clear for inactive mobile interfaces
- Fixed wrong or empty WAN state info
- Fixed Wireless scanning issue with certain configuration
- Fixed Wireless transmit power changing without user input after saving different country code
- Fixed clients isolation functionality in Wireless
- Fixed Wireless STA authentification failure in case of channel change
- Fixed Multi AP startup when changing Multi AP configuration in Wireless
- Fixed client connection to EAP Wireless network
- Fixed LTE band 14 management with Ouectel modems
- Fixed Wireless disconnection issues
- Fixed connection tracking for main interface in Failover

- Fixed reconnecting to inactive connections for Modbus Server service
- Fixed Modbus Client response after reboot write request
- Fixed Modbus Server to show error when trying to get operator name without SIM
- Updated Modbus Client to handle large numbers of schedule rules, when frequency is set to schedule (Daini
- Fixed "Input" rule displaying incorrect and missing ports in Network -> Firewall
 -> Traffic Rules
- Fixed WireGuard VPN endpoint resolving problem
- Peer cache is no longer deleted when ZeroTier service is restarted
- Fixed RMS data collection about the list of devices connected to WiFi
- Fixed showing incorrect Internet state in RMS
- Fixed WiFi client info display in RMS
- Implemented error handling when device is blocked or unrecognized by RMS

- Fixed L2TP client sometimes not adding routes on successful connection
- Fixed NTP time sync with browser functionality in some edge cases
- Fixed reinstalled packages" verification when device name is changed
- Fixed an issue where signal query would return invalid value instead of error in case of no signal in MQTT Publisher service
- Fixed OpenVPN firewall rule creation for both IPv4 and IPv6
- Fixed OpenVPN server crash loop after changing authentification from TLS to Static Key
- Fixed IPsec VPN connection problem with small lifetime values
- Fixed IPsec "Default Route" not working when Flow Offloading is enabled
- Fixed an issue where system directory could be used as a mount point in SSHFS service
- Fixed IP block feature to unblock an OpenVPN IP address on successful authentification
- Fixed package installation process bug when packages have different architecture names
- Added "bearer token" authentication functionality in Dynamic DNS
- Fixed MQTT Broker "local port" option keep settings migration
- Remove public keys when key-based authentication is disabled in Access Control
- Fixed "Parity" field "Mark" and "Space" options being ignored in DNP3 Serial services
- Corrected SNMP MIB file syntax according to standards
- Fixed returned port count in SNMP
- Fixed disabled CLI remote access taking up a session slot
- Fixed received SMS messages parsing with trailing whitespaces
- Fixed VPN status rule message text in SMS Utilities
- Fixed data being lost when sending large packets to serial devices using OverIP serial utility
- Fixed OverIP possible serial device overflow and minor bugs
- More robust error recovery for RTU communication in Modbus Client service
- Fixed UDP payload size in GPS AVL
- Fixed user deletion in Network Shares service
- Fixed router reboot inconsistencies after Storage Memory Expansion

• WebUI

- Fixed empty events cards in Overview page when no content is available
- Fixed modal form inputs not clearing upon closing after nested modal is saved
- Fixed select menu closing when selecting custom option
- Fixed multi select expanding table row when adding new values
- Fixed global section caching after deleting a section in a table
- Fixed unpredictable search logic in tables
- Fixed interfaces reordering by metrics in Failover page
- Removed ability to select ports on ICMP and ESP protocol in Failover page
- Fixed wrong status when interface is disabled in Failover page
- Fixed firewall zone and rule creation/deletion on VPN configuration creation/deletion
- Fixed STP enabling issue in Interfaces
- Fixed EIGRP status info in Dynamic Routes
- Fixed issue with custom DHCP options where you could not have multiple values per rule
- Fixed Routing/NAT Offloading section display in Network -> Firewall -> General Settings when device is not supported

- Fixed SSH/HTTP/HTTPS/ICMP setting in Network -> Firewall -> Attack Prevention page
- Fixed failing Firewall rules with united protocol formats
- Fixed zone select component not closing options menu when selecting an option in Firewall pages
- Fixed memory leak when cancelling file uploads on Chromium-based browser
- Fixed group settings saving by removing deprecated ":section" routes in Administration -> User Settings -> System Users
- Fixed allowing IDs above 247 in Modbus Client service
- Fixed selecting SIM in Modbus Client service Alarms
- Fixed Modbus Alarm telephone number limit
- Fixed to show available options for test requests on error in Modbus Client service
- Fixed Modbus Alarm I/O pin display values
- Fixed issue when creating instance named "gre" does not show in GRE VPN
- Remote endpoint field now allows underscore character in IPsec VPN
- Fixed ZeroTier wrong service status display in Status -> Services
- Fixed problems with L2TP/PPTP VPN firewall rules automatic creation
- Fixed problem related to the enable/disable toggle in OpenVPN instance overview page
- Added fixes for key-direction missing problem when uploading OpenVPN config file
- Fixed login page read-only inputs after custom user logout
- Fixed issue when double clicking firmware upgrade cancel button returned error
- Fixed Package Manager prompt message to appear when package requires network restart
- Fixed showing in queue packages when they contained special symbols in the Package Manager page
- Fixed various visual Side Widget bugs
- Fixed Data to Server DNP3 filter from flash display
- Fixed incorrect source data displayed in Realtime Data -> Connections table
- Fixed memory expansion confirmation prompt title
- Fixed incorrect configuration saving in Hotspot 2.0 service
- Disabled password hashing for new user creation in Hotspot service
- Fixed Hotspot landing page themes saving bug
- Fixed test email sending to more than one recipient in Events Reporting page
- Fixed VLAN OID values in SNMP service
- Output proper error message in case of hardware not being supported in Firmware Upgrade
- Fixed being able to open side widget when user does not have read access
- Fixed profile creation when current configuration is not present
- Fixed wrong protocol data display in "Access control" page
- Fixed LAN interfaces not showing up before WAN interfaces in Status -> Realtime Data -> Traffic
- Fixed carrier aggregation information when no connection is made or SIM card is not inserted
- Changed representation of mobile cell ID from hexadecimal to integer type
- Fixed Mobile Utilities "SMS forwarding to HTTP" URL generation
- Fixed an issue where sometimes bands were not represented correctly on certain modems
- Fixed provider information and IMSI value representation when SIM and modem cannot provide this information

- Fixed mobile pages throwing 404 error when modem disconnects
- Fixed WebUI showing mobile connection when no SIM card is inserted
- Updated Network -> Wireless interface add and delete button visibility in basic mode
- Fixed Wireless Multi AP incorrect SSID list after removal of an instance
- Fixed MAC address filtering in Network -> Wireless page to list only connected WiFi devices
- Fixed "Clear Collect Data" button logic to not clear overall mobile usage info
- Fixed "Used data" showing large negative numbers for disabled mobile interfaces with Data Limit enabled
- Fixed GPS AVL I/O trigger option filtering
- Fixed disabling DLNA service when USB drive is removed
- Fixed error when user has no write permissions in Speed Test page

System

- Patched CVE-2023-0386 vulnerability
- Patched CVE-2023-0464 vulnerability
- Patched CVE-2023-0465 vulnerability
- Patched CVE-2023-2602 vulnerability
- Patched CVE-2023-3772 vulnerability
- Patched CVE-2023-4128 vulnerability
- Patched CVE-2023-33476 vulnerability
- Patched CVE-2023-28484 vulnerability
- Patched CVE-2023-29469 vulnerability
- Patched CVE-2023-31490 vulnerability
- Patched CVE-2023-36369 vulnerability
- Patched CVE-2023-48174 vulnerability
- Delayed Custom Scripts execution on boot, after storage devices are mounted
- Fixed Custom Scripts permissions after save
- Changed certificate expiry calculation mechanism to fix Y2K38 bug
- Fixed downloading of certificates that have a space in their name in Administration
 Certificates -> Certificates Manager
- Fixed Events Log database rotation to prevent log partition space exhaustion
- Fixed duplication and sorting of all events IDs in Events Log
- Fixed FOTA crash when current hours is with leading 0
- Fixed crontab job removal after disabling FOTA
- Changed Mosquitto build options to not include cJSON library
- Fixed device name resetting to default upon refresh in Administration
- fixed backup upload validation with memory expansion

RUT9M R 00.07.04.5 | 2023.07.24

• Improvements

Network

- Improved MBN reselection algorithm when switching SIM
- Improved SIM card change detection algorithm
- Improved connection establishment speeds after sim switch
- Added metric field support in BGP Route-maps page

• WebUI

Updated SIM slot labeling in modem card Overview page

• Fix

Network

- Fixed an issue with MBN selection when device is started for the first time
- Fixed an issue where MBN activation would not be successful
- Fixed service provider parsing when operator does not provide all fields for Ouectel modems
- Fixed a condition where mobile connection would not get established after a SIM switch
- Fixed an issue with SIM switch causing connection problems

RUT9M R 00.07.04.4 | 2023.06.26

Note: Firmware version $RUT9M_R_000.07.04.4$ released on 2023.06.26 was removed due to an issue on certain modems with failing initial mobile connection after upgrading from $RUT9M_R_000.07.02.5$ or lower.

• New

Network

Travelmate package for captive portal redirection

Improvements

Network

 Improved mobile operator query methods and operator name parsing in various services

Services

- Improved UPNP lease file validation
- Improved DLNA 'Database directory' field validation to not allow ', ` and spaces

System

Device name is now displayed in browser tab when in login page

• Fix

Network

- Fixed a connection issue with bridge/passthrough mode when reconnecting ethernet cable
- Fixed long mobile operator list parsing for whitelist/blacklist functionality
- Patched CVE-2023-32233 vulnerability
- Fixed an issue with Multi AP service remaining enabled when disabling
- Fixed default networks in WAN firewall zone and possibility to add a network that is not yet created

Services

- Fixed connection establishment for RMS MQTT service
- Implemented partial restart when connection with RMS server fails
- Fixed device name resetting to default upon WebUI page refresh
- Fixed being able to set device name without passing validations
- Fixed WireGuard port change in firewall traffic rule when modifying instance port

RUT9M_R_00.07.04.3 | 2023.05.11

Improvement

System

- Optimized firmware image size
- Removed SSH RSA key generation

Added SSH ECDSA key generation

• Fix

Network

- Fixed an issue with mobile when Call Utilities configuration is invalid
- Fixed clients being unable to connect to wireless AP when multi AP configuration is empty
- Fixed an issue where sometimes PIN/PUK code was deleted when performing a SIM switch

Services

Fixed incorrect mobile data usage provided to RMS service

• System

• Fixed an issue on bootloader web recovery hanging with certain firmware sizes

<u>RUT9M_R_00.07.04.2</u> | 2023.04.18

New

nftables support

Improvement

Network

- Added PDP profile registry and LTE SMS format functions & management for the Verizon network
- Improved SIM detection algorithm
- Improved Multi-APN connection establishment time

• WebUI

Improved Overview page performance

System

- Changed hostname to router name
- Updated OpenSSL to version 1.1.1t
- Updated CA certificates to version 20211016
- Updated libiwinfo to version 2022-08-19

• Fix

Network

- Fixed IPv4. IPv6 mobile connection restarts
- Fixed operator scanning when mobile interface is disabled
- Fixed data limit and tracking when software flow offloading is enabled
- Added network reload call before bringing the mobile interface up
- Fixed a segmentation fault issue which would occur occasionally when switching between SIM cards
- Fixed Port-based VLAN ID calculation issue
- Fixed PDP context authentication when using special characters

- Fixed event text for configurable inputs/outputs on I/O Juggler
- Fixed I/O PIN3 value not changing via MODBUS TCP
- Added I/O status request error handling in various WebUI pages when the I/O service is booting up
- Fixed wrong timezone returned issue in Operator Station Synchronization & Timezone Synchronization
- Fixed MODBUS TCP Slave memory leak issue when requesting mobile parameters
- Fixed OpenVPN enabling/disabling when using Password or TLS/Password

authentication modes

- Fixed OpenVPN keep alive setting migration issue
- Fixed PPTP server name setting migration issue
- Fixed RS485 2nd stop bit support
- Fixed missing WebUI issue caused by Email Relay installation
- Fixed NTP's Operator Station Synchronization memory leak issue
- Fixed test email validation

System

- Fixed libcares vulnerability CVE-2022-4904
- Fixed frr vulnerability CVE-2022-37035
- Removed ability for non root users to edit scripts that get executed as root

<u>RUT9M_R_00.07.04.1</u> | 2023.03.24

• Fix

Network

• Fixed Data Limit issue

RUT9M_R_00.07.04_WEBUI.bin | 2023.03.07

Note: Firmware version **RUT9M_R_00.07.04_WEBUI.bin** was removed from downloads list due to issues with Mobile Data Limit functionality not working correctly when Software offloading is enabled.

• Improvements

• WebUI

- Improved data persistence between page refreshes
- Improved page navigation behavior
- Improved redirect logic to open configuration edit modals
- Updated the 'Status -> Mobile' page
- Updated interface card in the Overview page
- Separated Sent and Received data bars on the chart in the Mobile Usage page

Network

- Added an info message displayed when a faulty SIM card is inserted
- Added ResIOT operator's APNs to the APN database
- Improved mobile connection re-establishment after reboot
- Improved mobile connection recovery in cases where it was lost unexpectedly
- Improved 'Deny data roaming' operation when switching between operators
- Changed default WiFi AP cipher to CCMP (AES)
- Added the logging of MAC addresses rejected by a WiFi AP

- Added MQTT support to I/O Juggler
- Added an error message when trying to send an SMS from the 'Send Messages' page with no SIM card inserted
- Changed the behavior of setting the 'Write to config' flag in the 'mobileoff' SMS rule
- Added argument support for the 'Execute custom script' SMS rule
- Added a frequency option 'schedule' Modbus Master
- Added pagination to Events Reporting overview
- Added limit to Events Reporting rule list
- Added email logging for Events reporting
- 'Sync with browser' button in the NTP page now also synchronizes the time zone

- Added a limit of 30 for NTP instances
- Made Networks selections in the 'Traffic Logging' page to display interface choices dynamically
- Added "make before break" option to IPsec configuration
- Added MODBUS TCP connection handling layer to MQTT-MODBUS Gateway
- Improved MODBUS Master connection handling to reduce connection count
- Updated modbus request error messages
- Added OpenVPN server ip block support
- Added MQTT support for MODBUS Master alarms
- Added the possibility to get the device's Ethernet port data via SNMP

∘ System

- Updated bash to version 5.1.16
- Added detailed FW update failure error message to Events Log
- Improved firmware upload/validation error messages
- Updated Turkish language support
- Added protocol column to IP block page
- Added "vpns.log" file to the Troubleshoot package
- Added Wireguard tunnel information to the Troubleshoot package
- Updated default admin group access rights
- Updated DFOTA notification to show "More info" only when the update is forced

• Fix

∘ WebUI

- Fixed MAC address showing on mobile interfaces
- Fixed mobile cell ID displaying in hexadecimal
- Fixed mobile data limit card creation in the Overview page
- Fixed modem widget disappearing from the Overview page
- Fixed Services page not displaying data after Thingworx package is installed

Network

- Fixed interface priority change issue
- Fixed a Custom Firewall Rule editing issue
- Fixed DMZ configuration saving while it is disabled
- Fixed Port Scan script execution failure
- Fixed Firewall zone duplication issue
- Fixed call function when VoLTE is disabled
- Fixed VoLTE control when IMS is not enabled
- Fixed mobile IPv6 IP checking when the device didn't get a correct IP address
- Fixed APN authentication when using empty credentials
- Fixed manual APN selection from list
- Fixed disabled WiFi interface after factory reset
- Fixed WiFi interface creation with SAE mixed encryption

- Fixed I/O Scheduler overlapping instances issue
- Fixed Input/Output image pin colors
- Fixed issue that causes ADC subscribers to receive notifications for when ACL is active
- Fixed WiFi Hotspot landing page uploaded theme image display
- Fixed WiFi Hotspot trial user deletion issue
- Fixed WiFi Hotspot service crash when associated WiFi interface is not up
- Fixed WiFi Hotspot password request by SMS
- Fixed WiFi Scanner starting process when the WiFi interface is disabled

- Added limitations on message size and quantity of email messages in Email to SMS
- Fixed SMTP HELLO value parsing issue
- Fixed SMS message window reset button
- Fixed not being able to save empty 'Message text' field in Auto Reply
- Fixed multi-part SMS concatenation
- Fixed multi-part SMS processing
- Fixed SMS error message on 'Mobile Data Reset' action
- Fixed Data To Server JSON format %n, %N and %s flag issues
- Fixed Events Reporting email data clean
- Fixed Events Reporting missing config selections
- Fixed GRE Tunnel's 'Tunnel source' field validation when the source is custom
- Fixed IPsec instance deletion after removing DMVPN package
- Fixed IPSec migration via Backup file when DMVPN is configured
- Fixed IPsec naming issue when the includes an equals sign
- Fixed L2TP client to use correct interface on failover events
- Fixed L2TP over IPsec connection dropping issue when connecting from a Windows client
- Fixed MODBUS database size limiting issue
- Fixed MODBUS MQTT Gateway client ID input
- Fixed MODBUS TCP Slave RSSI value
- Fixed MODBUS test button returning errors when several non-connected devices are configured
- Fixed NTP Etc/GMT+1 and Etc/GMT-1 time zones
- Fixed OpenVPN password validation when no CA certificate is uploaded or 'custom' template is selected
- Fixed OpenVPN Static Key configuration saving by making Static key upload required
- Fixed OpenVPN TLS client creation issue while LAN is down
- Fixed Package Manager displaying non-existent packages
- Fixed Package Manager errors showing up after successful installations
- Fixed Periodic Reboot entry duplication after a power cycle
- Fixed PPTP 'Client to client' option not being applied after save
- Fixed receiving excessive device state emails after a reboot is initialized over RMS
- Fixed WebUI unavailability after unsuccessful package install

• System

- Fixed vulnerabilities CVE-2022-3524, CVE-2022-3566, CVE-2022-3567, CVE-2022-39188, CVE-2022-45934, CVE-2022-47929
- Fixed bash vulnerability CVE-2022-3715
- Fixed CGI-IO file download vulnerability CVE-2022-38333
- Fixed libxml2 vulnerability CVE-2022-40304
- Fixed libcurl vulnerabilities CVE-2022-43551 and CVE-2022-43552
- Fixed firmware version display
- Improved file upload logic
- Fixed GPL firmware compilation with selected Tinc package
- Fixed OpenVPN Static Key migration via keep settings issue
- Fixed NTP time zone name setting migration when the name contains whitespaces
- Fixed language setting issue
- Fixed integer validation on industrial services
- Fixed LED indications when PDP type is IPv6
- Fixed issues with PDP type and SMS limit period migration via keep settings

<u>RUT9M_R_00.07.03.4</u> | 2023.02.09

- Fix
 - Network
 - Changed generic modem restart method
 - Fixed mobile page VoLTE switching issues
 - Fixed CVE-2023-32349 vulnerability
 - Services
 - Sanitized tcpdump storage location
 - Removed OPOST stty output setting with legacy Over IP mode

<u>RUT9M_R_00.07.03.3</u> | 2023.01.25

- Fix
 - Network
 - Fixed disabled WiFi interface after factory reset

<u>RUT9M_R_00.07.03.2</u> | 2023.01.13

- New
 - System
 - Japanese language
- Improvements
 - Network
 - Optimized mobile netifd script installation
- Fix
 - Network
 - Shortened modem hang monitor timeout
 - Fixed VLAN option setting when changing VLAN ID
 - Services
 - Fixed RS485 not receiving data without transmiting prior

RUT9M_R_00.07.03.1 | 2023.01.03

- Improvements
 - System
 - Remove front-end certificate validation
 - Network
 - Optimized mobile netifd script installation
- Fix
- Network
 - Fixed modem communication validation
 - Fixed connection establishment in IPv6 only mode
- Services
 - Fixed libxml2 vulnerability CVE-2022-40303
 - Fixed an IPsec Phase one & two setting migration issue
 - Returned missing udp client count option to Over IP mode
 - Fixed operator index in DNP3 outstation; added GPS resubscribe; fixed segfault when GPS is enabled
 - Fixed an SD card formatting issue

System

- Fixed JSON key parsing; keys can now be any printable character sequence
- Fixed memory leak in 'session' module

• WebUI

Fixed file pretty name parsing

RUT9M R 00.07.03 | 2022.12.16

New

Network

Firewall DMZ page

Services

- Java package
- SFTP server support
- OPC UA client
- Hotspot registered users management page
- NTRIP
- BACnet
- Modbus Serial Slave

System

- Portuguese language
- Spanish language
- Turkish language
- Email Relay package

• WebUI

New Web menu design

Improvements

Network

- Updated modem handling, attachment, tracking and connection establishment processes
- Added the possibility to select multiple ports in all firewall port fields
- Added 'Match' traffic by type option to firewall traffic rules
- Added DNS servers and routing table fields to the Wireguard page
- Improved generating network topology
- Moved Relayd, UDP Relay & Static Leases to the Interfaces menu section
- Update Firewall Traffic Rules page with DSCP and MARK options
- Added keepalive, holdtime and connect timers to BGP configuration
- Added 'Use gateway metric' to network protocols web interface
- Added more DHCPv6 client events to system log
- Moved IP Filter rules from Modbus TCP Gateway and Over IP services to Firewall page
- Added option to select subnet parameters in mobile Passthrough/Bridge modes
- Added WhereverSIM operator APN and fr.lebara.mobi APN to APN database
- Added mobile connection state for IPv6
- Added individual WiFi toggle support
- Added error message when DFS channel is selected during scanning
- Added switch back to default SIM after SIM Switch service disable
- Added wget tracking method to WAN Failover
- Added interface checks to remove inaccurate Failover events from the Event Log

Services

Added format button for each USB device in USB Tools General page

- Reduced waiting time during storage device setup for Memory Expansion
- Optimized Storage Memory Expansion package size
- Replaced ntfs-3g with kernel-mode driver
- Added USB to Serial support for Modbus, MQTT Modbus Gateway, NTRIP, DNP3
- Added CSP headers to Hotspot Landing Page
- Added hotspot user script validation
- Improved logging of disconnecting client devices
- Added the possibility to switch profiles on GPS geofencing events
- Added satellite count and accuracy columns to GPS Map page
- Implemented Hotspot 'forget' method, which removes user from DB by MAC
- Added execute custom script SMS Utilities rule
- Added receiver and transceiver mode support to SMPP
- Added timezone synchronization with GSM operator option to NTP Client
- Updated Zerotier web interface
- Added IPsec Flush connection option on tunnel initialization
- Added MODBUS slave regfile validation
- Added delay, number of timeouts, always reconnect options to MODBUS Master service
- Added DMVPN Phase 2 and Phase 3 support
- Added synchronization counting to NTP client
- Expanded the data that is sent to the Cumulocity cloud with device log, mobile data usage nd GPS data
- Added 'Unregister' button to RMS page
- Added new data monitoring options to SNMP: configuration state of wireless, smart queues & VLANs
- Updated Zerotier package to version 1.10.1
- Added automatic package removal upon failed installation in Package Manager
- Added option to describe custom routing table and MTU auto counting to Wireguard VPN
- Added IP blocking to MQTT Bridge for failed login attempts to prevent bruteforce attacks
- Updated sqm-scripts to version 1.5.1
- Improved MODBUS Master service: added multiple datatypes, added multiple register reading for alarms
- Added monthly reboot option to periodic reboot function
- Added support for multiple custom option selection to SSTP configuration
- Added PKCS12 certificate chain support to OpenVPN
- Improved MQTT to support multiple port listening, multiple bridge connections, notification settings and added support for custom configuration file
- Added QoS selection to MQTT Modbus Gateway
- Improved RAM usage during upload and installation of packages via Package Manager
- Updated curl to version 7.86.0
- Added brute-force prevention measures to Post/Get
- Added automatic private and public key generation to Wireguard VPN
- Added multiple Remote source IP support to IPsec
- Added the possibility to configure multiple IPsec phase 1 and phase 2 proposals
- Added functionality to rotate log file when log is saved to Flash memory
- Improved performance while fetching packages on repeat visits to the Package Manager page
- Added custom value calculation to ADC and ACL pins

Added MODBUS TCP Slave registers to store Analog Current Loop value

System

- Added a 'test mail' button to the Administration -> Recipients page
- Added option to clear blocked IPs in the Access Control page after reboot
- Updated Web Request-Response core logic
- Added certificate validation to all services that support certificate upload
- Updated URL protocol validations
- Removed profile update requests during Save & apply
- Optimized profile switching logic

• WebUI

- Added an indication to the Interfaces page that displays when data limit is enabled
- Added bootloader version to the Device section in the System page
- Added configuration page shortcuts to Overview page widgets
- Added tooltip in Overview that show free, used and total RAM/Flash values on mouse cursor hover
- Updated network interfaces protocols web interface
- Updated 404 page to include navigation menu

• Fix

Network

- Fixed CVE-2023-32350 vulnerability
- Fixed jumbo frames MTU issue
- Added the 'Any' choice to source & destination IP address field in NAT rule edit
- Fixed NHRP web interface issues
- Fixed WAN interface configuration interfering with LAN
- Fixed mdcollect memory leak issue
- Fixed data limit not resetting properly
- Fixed incorrect mobile data usage calculations for multiple day periods
- Fixed an Auto APN 'Keep settings' issue
- Fixed data counting after mobile data limit has been reached
- Fixed mobile band not setting correctly on first try
- Fixed incorrect data limit conditions causing unwanted SIM switches
- Fixed Passthrough DHCP lease time setting
- Fixed mobile bridge mode issue when no DNS servers are supplied
- Added new Operator Lists instance name validations
- Fixed mac80211 vulnerabilities CVE-2022-41674, CVE-2022-42719, CVE-2022-42720, CVE-2022-42721, CVE-2022-42722
- Fixed wireless interfaces connections not reestablishing after disabling & enabling again
- Fixed SIM Switch issue on newly created mobile interfaces
- Fixed switch back to primary SIM rule disable when the default SIM is changed
- Fixed incorrect SIM Switch behavior on low signal value
- Fixed handling of WAN/LAN port state changes
- Fixed Wired WAN connectivity issue when Failover interfaces are disabled
- Fixed Failover fallback issue

- Fixed Printer service starting issue
- Fixed Printer service boot issues
- Fixed DLNA service reload issues on USB drive insert/remove
- Corrected serial connection baud rates
- Fixed hostname resolution in 'Over IP' serial type

- Fixed RS232/RS485 starting issues
- Fixed relay state switching
- Fixed Save & Apply issue with ADC/ACL type condition on I/O Juggler
- Added I/O restart on configuration profile change
- Fixed I/O voltage range display for power socket pins
- Fixed SMNP OID for I/O state
- Fixed I/O Juggler SMS text message Save & Apply issue
- Fixed Hotspot connected user list maximum upload/download value limits
- Fixed incorrect connected Hotspot user information in RMS JSON
- Fixed Delay field in GPS HTTPS/HTTP Server Settings section
- Fixed AVL packet timestamp display
- Fixed issue that prevented GPS map display after clearing cache
- Removed unnecessary field from the Port Mirroring page
- Fixed Events Reporting 'Changing to SIM1/SIM2' options
- Fixed I/O analog voltage type display issue
- Fixed Hotspot issues related to specific connected phones
- Fixed Wireless AP enabled by MODBUS TCP Master not showing in Wireless clients
- Fixed WiFi Scanner hostname validation issues
- Fixed UCI SMS Rule return message to display new changes
- Fixed DNP3 issues when asking for modem temperature
- Fixed base64 encoding of SMS messages when forwarding to HTTP
- Fixed SMS sending issues when using multiple APN
- Added Gateway modem option to IP Block and WoL in SMS Rule edit
- Fixed unblocking IP addresses with an SMS message
- Fixed Mobile Utilities page not load properly on some occasions
- Fixed dbus vulnerability CVE-2020-35512
- Fixed dnsmasq vulnerability CVE-2022-0934
- Fixed ext4 vulnerability CVE-2021-3428
- Fixed kernel vulnerabilities CVE-2021-3669, CVE-2021-4203, CVE-2022-1353, CVE-2022-3435, CVE-2022-20008, CVE-2022-30594
- Fixed libxm12 vulnerability CVE-2022-29824
- Fixed Linux vulnerabilities CVE-2021-4148, CVE-2022-0480, CVE-2022-1055, CVE-2022-0886, CVE-2022-2663, CVE-2022-36879 for v5.4
- Fixed MQTT DoS vulnerability CVE-2021-41039
- Fixed privoxy vulnerability CVE-2021-44542
- Fixed python3 vulnerability CVE-2022-42919
- Fixed strongswan vulnerabilities CVE-2021-41991, CVE-2021-45079
- Fixed uboot vulnerabilities CVE-2022-30552, CVE-2022-30790
- Fixed switching between RMS connection types while the device is unregistered
- Fixed reload issues in website blocking feature
- Fixed IPsec PSK secret required field validation
- Fixed bandwidth limiting after QoS is enabled for the first time
- Fixed Dropbear issues when logging in over IPv6
- Fixed Modbus status in Status -> Services page
- Fixed Azure IoT Hub application issues when sending large volumes of data
- Fixed Azure IoT Hub MQTT password validation
- Fixed DMVPN configuration migration issue
- Fixed DMVPN duplicate select options, added suffix to mobile interfaces to use IPv4
- Fixed DMVPN IPsec connection issue

- Fixed DMVPN mobile interface 'Keep settings' migration issue
- Fixed Dynamic DNS long hostname text display issue
- Fixed Events Reporting memory leak issue
- Fixed Events Reporting not triggering after flipping an I/O slider
- Fixed FOTA cron job not starting after factory reset
- Fixed IPsec local firewall option parsing
- Fixed IPsec tunnel creation issue when compatibility mode is used and the tunnel name contains an underscore
- Fixed L2TP, PPTP, SSTP state display in the Status -> Services page
- Fixed NTP pool hostname validation
- Fixed OpenVPN certificate remove with Static key and TLS authentication methods
- Fixed OpenVPN configuration saving issue when using HMAC key authentication
- Fixed OpenVPN custom dev name transformation to correct format
- Fixed OpenVPN device name setting logic when uploading config from file
- Fixed OpenVPN instance status display
- Fixed OpenVPN TAP (bridged) configuration detection
- Fixed Qos configuration saving issue occurring after instance deletion
- Fixed RMS ISON incorrect WAN state and IP information
- Fixed RMS step access issue in the Setup Wizard page
- Fixed SNMP issues after reboot while using a Hotspot
- Fixed SNMP generating MIB files for devices in accordance with to their hardware
- Fixed SNMP traps not working after SNMP is installed from server
- Fixed SSTP client route creation issue
- Fixed UPNP secure mode not turning off issue
- Fixed Wireguard route to endpoint issue
- Fixed manual package installation for queued packages
- Fixed NAT Rules dependency from IPsec web instance
- Returned usleep utility
- Updated Australian and South African NordVPN server IP addresses

∘ System

- Fixed certificate signing issues
- Fixed Telnet, CLI access blocking after max invalid tries
- Fixed FW upgrade with 'Keep settings' while low free space is available
- Fixed backup file duplication issue
- Fixed network device handling in system
- Fixed User default settings not restoring issue
- Fixed LED operation during FW flashing
- Fixed LED operation while device is in bootloader state

• WebUI

- Fixed Hotspot interface display
- Fixed side widget accessibility during first login
- Fixed file upload issues
- Fixed drag and drop issue in the Traffic Rules page
- Fixed protocol display in the overview of the Interfaces page
- Fixed blocked IP settings migration during a FW upgrade with the 'Keep settings'
- Fixed login errors after browser tab restoration
- Fixed redirect to newly set IP address after Interface configuration
- Fixed firmware upgrade verify spinner not closing
- Fixed an issue with file upload via drag and drop

RUT9M R 00.07.02.9 | 2022.11.14

New features

RNDIS and related drivers

Fixes

- Added validation that prevents a downgrade below version 7.2.9
- Fixed libgsm segfault on modem application FW function
- Fixed handling of state changes for LAN/WAN ports

RUT9M R 00.07.02.7 | 2022.09.12

• Improvements:

• Improved manual-auto connection mode

Fixes

- Fixed AT command for SMS storage usage
- Fixed CVE-2022-1012 memory leak vulnerability
- Fixed CVE-2022-37434 kernel vulnerability
- Fixed GPS constellation settings
- Fixed interface option reset after VLAN ID change
- Removed memory leak on port events
- Fixed WiFi Scanner out of range crash when iterating collected data

RUT9M R 00.07.02.6 | 2022.08.24

• Improvements:

- Added 'home.vodafone.de' APN
- Improved stability of device information storage

• Fixes:

- $\circ\,$ Added SMSC type omitting when empty SMSC number parsed in SMS PDU mode
- Fixed Serial-symlink dmesg messages
- Fixed VoLTE management
- Fixed OpenVPN tls-auth and tls-crypt option names

<u>RUT9M_R_00.07.02.5</u> | 2022.08.12

• Improvements:

- Updated curl to version 7.83.1
- Updated firmware validation error messages
- Added multiple source IP address support to the Port Forwards page
- Increased custom APN Username & Password field maximum length to 64 symbols
- Added auto switch to modem's SMS storage when SIM card storage doesn't exist
- Improved mobile connection status handling
- Added CSP headers Hotspot WebUI landing page

• Fixes:

- Fixed CVE-2022-32205, CVE-2022-32206, CVE-2022-32207, CVE-2022-32208 curl vulnerabilities
- Fixed CVE-2022-30065 busybox vulnerability
- Fixed file upload path traversal
- Removed Data to Server limit to process less than 10 instances
- Fixed Data to Server 'out of memory' crashes when database is full or has a large

amount of data

- Fixed OpenVPN dev setting logic
- Fixed OpenVPN updating from legacy issue that caused IPv6 not to work
- Fixed MAC and leasetime setting for Bridge & Passthrough modes
- Fixed modal tabs navigation when editing wireless interface with non-english languages
- Fixed LAC/TAC parsing in 4G mode

RUT9M R 00.07.02.4 | 2022.07.20

- Improvements:
 - Added default password change warning message before firmware downgrade
 - Extended time period for device to make connection to operator
 - Reduced the number of modem reboots when changing mobile settings
 - Reduced excessive log output when no SIM card is inserted
 - Added modem restart prevention on modem init
 - Added disable RPLMN option in the SIM section of the SIM card config

• Fixes:

- Fixed CVE-2022-2068 vulnerability
- Disabled autoconnect on stop-network call
- Fixed Hotspot login via landing page issue
- Fixed RS485 console return symbol skip
- Fixed FOTA communication issues

RUT9M R 00.07.02.3 | 2022.06.27

- New Features:
 - Port Mirroring
- Improvements:
 - o Added ping to DNS IPv6 support
 - Added modem reset to default state after device FW upgrade
 - Modem init now checks NVRAM sensitive commands before setting
 - GSM output was made consistent
 - Updated FSTools package to version 2022-05-03
 - Added security headers to web requests
 - Added default VoLTE value
 - Specified IP address family on operator control's ping to DNS feature

• Fixes:

- Fixed CVE-2019-12900 libbz2 vulnerability
- Fixed behavior of some gsmctl commands
- Fixed CVE-2022-23303 hostapd vulnerability
- Fixed CVE-2022-29581 Linux kernel vulnerability
- Fixed CVE-2022-29458 ncurses vulnerability
- Fixed CVE-2022-1292 c rehash script command injection vulnerability
- Fixed band locking issue
- Fixed race condition for wireless configuration initialization
- Fixed operator control issue
- Fixed VoLTE management issue
- Fixed SIM card checking on modem init

RUT9M_R_00.07.02.1 | 2022.06.06

- Improvements:
 - Improved GSM related messages in Troubleshoot logs
- Fixes:
 - Fixed IGMP Proxy menu item not appearing after package installation
 - Fixed default mobile network configuration generation
 - Fixed MODBUS write requests and Mobile Utils option setting

<u>RUT9M_R_00.07.02</u> | 2022.05.10

New features

- Overview side widget
- IGMP Proxy
- Privileged Access Management (PAM)
- AWS Greengrass support
- HTTPS certificate and key upload feature
- SSH public keys edit box
- License page
- MODBUS
- DNP3 data for Data to Server

• Improvements

- Updated busybox to version: 1.34.1
- Updated curl to version 7.79.1
- Added iptables filter package for string filtering
- Added CHAP authentication for L2TP VPN
- Added IPv6 support for L2TPv3 VPN
- Added EAP-MSCHAPV2 authentication method for IPsec VPN
- Added IPv6 support to Auto Reboot
- Added 'Save to flash' and 'Test configuration' button to DNP3 configuration page
- Updated SNMP version 5.9.1
- Added OpenSSL authentication options to SNMPv3
- Added support for OSPF redistribution options and OSPF neighbors
- Added password field to BGP Peers page
- Extended BGP "AS" field validation to accept integers up to 4294967295
- Added "DHE+RSA" to OpenVPN cipher selections
- Increased OpenVPN max password length from 128 bytes to 512 bytes
- Made HMAC key direction initial value dependent on the role of the instance (client or server)
- Made HMAC key and HMAC authentication key upload fields required
- Added DES to IPsec encryption algorithms selections
- Added special character support for CHAP secrets
- Added validation requirements for PPTP user list username field
- Added option to manually enter Public key in Wireguard configuration
- Made generating Wirequard keys possible only while in auto mode
- Added Events Log database to troubleshoot archive
- o Added RFC1918 filter field
- Added the possibility to unblock multiple blocked devices at once
- Added 'Port' column to blocked login attempts table
- Added Speedtest server refresh

- Updated Speedtest server list
- Added asterisk option to Site Blocking
- Added MD5 and SHA256 checksums to package validation page
- Changed certificate requirements to only require client key file if client certificate is used
- Added pagination and data retention between table pages
- Added pagination functionality to tables when there are more than 10 records
- Improved table sorting by saving user provided sort settings in the browser
- Improved drag and drop functionality
- Added the possibility to drag and drop files onto upload components
- Moved 'Root CA' from the 'Access Control' page to the 'Certificates' page
- Added 'Strict-Transport-Security' response header for HTTPS
- Added 'breadcrumbs' to modal windows
- \circ Improved initial WebUI loading after login
- Added mobile bytes sent and bytes received SNMP OIDs
- Added mobile LED turn off feature ('System -> Administration' page)
- o Added 'iot.1nce.net', 'internet', 'VZWINTERNET' and Truphone APNs to APN database
- Updated mobile usage data point calculation logic
- Added the possibility to manually enter operator number
- $\circ \ \ \text{Improved obtain mobile cell ID process} \\$
- $\circ\,$ Added modem restart if SIM card is removed during APN database fetching process
- Added unauthorized call logging
- Added space character support in SMS commands
- Disabled SMS modem storage configuration form when SIM is not inserted
- Changed SMS '%wi' parameter value to return IP address of any currently used WAN interface (not only wired)
- Added external modem SMS limit Overview card and widget
- Made in-use APNs visible next to mobile interface configurations (before clicking the 'Edit' button)
- Added duplicate value check for list configuration options
- Changed mobile card instance design
- Fixed 'Mobile Data usage reset' SMS rule
- Fixed the default state parameter of SMS list POST/GET command
- Added Hotspot configuration profiles
- Added local Hotspot user password hashing
- Added Hotspot password encoding option
- Improved Hotspot related firewall rule setting
- Improved WiFi Scanner enable switch to toggle 2 and 5 GHz instances separately
- Removed CHAP authentication protocol for WiFi Hotspots due to incompatibility with hashed passwords
- Added ubus support to Hotspot
- o Changed default port name of WiFi devices for 'Topology state' Events Reporting rule
- Added AVL "Static Navigation" flag
- Added GSV parsing for NMEA collecting
- Added newline and GPS location actions to I/O Juggler
- Added error code 5 for reserved SAMBA user names
- Added Mobile data and SMS limit features for external modem
- ∘ Added I/O SNMP trap
- Added ISO 8601 time format to I/O Juggler's '%ts' parameter
- Added device name parameter '%pc' to I/O Juggler
- Added ACL or ADC SNMP trap notification on enter/exit/both

- Added ACL MOTT topic
- Added PPPoE VLAN priority support
- Made VRRP ping section dependent on main instance
- Added 'WAN to LAN' switch
- Added CRC verification support to MODBUS and RS232/RS485

Fixes

- Fixed CVE-2021-20322, CVE-2021-4197, CVE-2022-1011, CVE-2022-0847 kernel vulnerabilities
- Fixed CVE-2022-28391 busybox vulnerability
- Fixed CVE-2018-16789 shellinabox vulnerability
- Fixed CVE-2021-44543, CVE-2021-44542 privoxy vulnerabilities
- Fixed CVE-2021-43618 GNU Multiple Precision Arithmetic Library vulnerability
- Fixed zlib backport security issue
- Fixed Wireguard firewall zone assignment
- $\circ\,$ Fixed queued packages disappearing from list after FW upgrade with keep settings
- Fixed error message display for multiple input validation rules
- Fixed incorrect DHCP validation range for start and limit fields
- Removed 'Bring up on boot' option from network interface configuration pages
- Fixed coma-separated DHCP options disappearing after save
- Fixed exclude and listen interfaces
- Fixed 'Use broadcast flag' option saving
- Fixed firewall zone assignment when creating new interfaces
- o Fixed OpenVPN 'Netmask' and 'IP address' field validations
- Fixed OpenVPN TAP configuration saving issue
- Fixed OpenVPN switching to TUN mode when uploading a configuration from file
- Fixed dynamic BGP route state display
- Fixed BGP peer enable in edit page
- $\circ\,$ Fixed issue when no L2TP client instance could be bound to IPsec
- Fixed firewall rule and zone behavior related to config section creation
- Added default value for L2TPv3 netmask, which is now written to config after save
- Fixed passthrough option saving to IPsec file
- Fixed DMVPN issue where instance configuration could not be saved
- Fixed Wireguard peer could not be saved issue
- Fixed NTP client time synchronization after factory reset
- Fixed device time display with selected time zone
- Fixed MODBUS TCP indexation missing bracket issue
- Fixed initial MODBUS TCP request count validation
- Fixed PIN 3/4 direction switching over MODBUS TCP
- Fixed MODBUS data to MQTT socket closing issue when connection fails
- Fixed MODBUS alarm configuration deletion
- Fixed DNP3 master not working after FW upgrade with 'keep settings'
- Fixed DNP outstation not returning error messages
- Added missing SNMP objects: mobile IP, data sent/received today
- Fixed MQTT Publisher 'Remote address' field validation
- Fixed long interface name support for Azure IoT Hub
- Increased maximum Azure IoT Hub 'Connection String' length to 4096 characters
- Fixed missing sent/received data issue
- Fixed URL input field length validation
- $\circ\,$ Fixed admin login issue after upload of backup from a device with older firmware versions

- Fixed MAC address formatting in Events reporting messages
- Fixed Events reporting DHCP lease message spam, when no new lease is added
- Fixed logging crashing after downloading Troubleshoot file
- Made Wake on LAN visible only on devices with Ethernet ports
- Fixed Traffic log file transfer to FTP server
- Fixed Web Filter service reloading after a host list file is uploaded
- Fixed access denied messages when sending JSON-RPC requests from root user
- Fixed error message display about duplicated intervals in Profile scheduler
- Fixed FW upgrade with 'keep settings' migration issue for Access Control's 'Fail count' and 'Device port' fields
- Corrected OSPF Routing card values, value positions and names
- Fixed global secret instances not being removed when there are no IPsec instances
- Fixed uploaded file remove icon not staying in position on hover
- Fixed Overview card collapse issue that made it unresponsive after too many clicks
- Removed WAN6 interface from the Overview page
- Fixed mobile IPv6 display in Events Reporting status messages
- Fixed Bridge mode when DNS2 is not available
- Fixed PAP/CHAP username and password fields not saving in interface edit window
- Fixed sending email without secure connection for providers that support such an option
- Fixed 'N/A' parameter showing up in SMS Utilities monitoring status message
- Fixed Call Utilities Events Log message for reboot rule
- Fixed SMS command validation for no-authorization option
- Fixed MODBUS SMS alarms 'Enable' option saving
- Fixed running RMS with no SIM card inserted issue
- Fixed firmware available on server version checking issue
- Fixed CVE-2020-15078 openvpn vulnerability
- Fixed storage calculation for packages
- Fixed firmware deletion after leaving the page
- Fixed setup wizard redirect after LAN IP change
- Fixed various validation bugs, typos, option hints & alignments
- Fixed multiple IPv6 configuration field validations
- Fixed VoLTE management
- Fixed incorrect parsing of temperature, revision and IP address values
- Fixed handling of SIM card removal
- Fixed unnecessary SIM switch issue when Multi-APN is configured
- Fixed MODBUS TCP slave modem not starting after switching SIM cards
- Added multiwan support for Wireguard default route
- Fixed wireless signal strength display when no clients are connected
- Fixed loss of connectivity for clients when router is in STA+AP mode
- Added validation that prevents automatic connection to first unencrypted WiFi AP when using MULTI AP
- Fixed Wifi Scanner data not being stored in certain scenarios
- Fixed WiFi scanner not turning on after FW upgrade with 'keep settings'
- Fixed Hotspot user group limit not resetting on specified time
- Removed an RMS error message when no Hotspot users were created
- Fixed Hotspot landing page image upload issue
- Fixed restoring GPS HTTPS options after FW upgrade with 'keep settings'
- Fixed missing NMEA sentences
- Fixed NMEA cache sentence calculation
- Fixed 'outside/inside range' condition for AVL I/O Analog input trigger
- Fixed I/O Juggler external modem recognition

- Fixed flash driver reformatting after memory shrink
- Fixed DLNA package installation issue
- Changed Media Directories field to be required
- Fixed SAMBA fields value display
- Fixed relay output value display in I/O Juggler condition page
- Fixed I/O Juggler's WiFi rule not enabling or disabling WiFi interfaces
- Fixed I/O Juggler's double delete issue on I/O Juggler action and condition instances
- Fixed I/O Juggler's incorrect I/O status messages
- Fixed missing 10 pin I/O connector display
- Fixed POST/GET SMS listing by state
- Fixed second VLAN ID not being locked
- Fixed automatic port open after RS232/RS485 Over IP server & bidirect configuration changes

RUT9M R 00.07.01.5 | 2022.03.29

New features

• Initial FW release for the RUT956 device