

RUT950 Firmware Downloads

From Wiki Knowledge Base | Teltonika Networks

This is the approved revision of this page, as well as being the most recent.

Main Page > RUT Routers > RUT950 > **RUT950 Firmware Downloads**

This page contains various firmware versions for RUT9xx devices.

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

Firmware	Version	Changelog
Latest FW*	RUT9XX_R_00.06.06.1	2020.03.12
Factory FW**	RUT9XX_R_00.06.06.1	2020.03.12

* **Latest FW** - firmware candidate for release. This version will usually contain some new features and/or improvements (described in the Change log section of this article) but it hasn't been fully tested and approved by Teltonika's testing and technical support units. If **Latest** is the same version as **Factory** - it just means that no newer firmware than a **Factory** version is publicly available.

** **Factory FW** - firmware used in mass production.

FW checksums

A list of firmware checksums for RUT9xx firmwares uploaded in this page: [checksum list](#)

Change Log

RUT9XX_R_00.06.06.1 | 2020.03.12

- Fix:
 - Fixed ppp buffer overflow vulnerability (CVE-2020-8597)
 - Fixed saving Ping Reboot configuration

RUT9XX_R_00.06.06 | 2020.03.09

- New features:
 - UDP broadcast relay functionality
 - Redundancy protection, alarm frequency for Modbus TCP Master
 - Telenor MQTT package
 - MQTT publisher TLS support
 - VRRP multi-section configuration
 - Mobile Data Limit info in Clear Data Limit section
 - HTTPS control in Access Control window and corresponding SMS rule
 - Added source version value to Package Manager
- Improvements:
 - Complete rewrite of Modbus TCP Slave: fixed bugs, added new features
 - Modbus TCP Master test button now works without needing to save configuration first
 - Added ucitrack entry, improved init script for MQTT-Modbus gateway
 - Ability to install packages stored in backup file from Package Manager
 - Longer profile change loading animation that ends when profile is fully loaded
 - Profile name validation and name input hint
 - Updated Status Services page design
 - Updated IPsec Pre-Shared key tooltip
 - Improved operator control with auto APN functionality
 - Refactored VRRP overview and status pages

- Added 4 pin I/O SNMP trap rules
- Fixes:
 - Fixed GPSD session handling functionality
 - Rewritten communication logic for RMS connections with non-blocking socket
 - Fixed signal strength logs when Events Reporting is enabled
 - Fixed Events Reporting 'Send Test Email' button to not send empty emails
 - Fixed 'Change profile' SMS Rule
 - Fixed 'Monitoring status' SMS rule
 - Fixed 'Send status' message to other multiple phones
 - Unified password validation and password hints
 - Removed "Site Survey" page
 - Changed 'free' memory indication to 'used' memory in the Status □ System window
 - Fixed mobile service 3G + 4G configuration
 - Fixed OpenVPN server status values in the Overview page
 - Fixed OpenVPN config from file
 - Fix mobile protocol value in the WAN window
 - Fixed restore to default LAN after disabling VLAN
 - Fixed RAM usage display
 - Removed 4 pin power block picture from devices which do not have it

RUT9XX_R_00.06.05.3 | 2019.11.26

- Fixes:
 - Fixed RMS not displaying correct data from device when mobile is enabled and there is more than one day of data collected

RUT9XX_R_00.06.05.1 | 2019.11.15

- New features:

- Modbus TCP custom register block
 - tls-crypt Additional HMAC authentication option
 - Ability to upload custom OpenVPN configuration file
 - Ability to upload OpenVPN TLS-clients configuration
 - OpenVPN Password authentication
 - Azure IoT Hub MQTT subscriber support
 - Call utilities add support for answer/hangup with timer
 - SMS Utilities Auto-APN toggling rule
 - Full Unicode SMS support
 - Multiple Access Points
 - Network frequency band select support for global version
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- Improvements:
 - Added tables' position priority in Overview settings
 - Added hint in the Hotspot statistics page
 - OpenVPN PKCS12 support added
 - Added supported AES ciphers to OpenVPN
 - Updated APN database
 - Add advertisement interval option to VRRP
 - Faster private key generation on first boot
-
- Fixes:
 - Restored Passthrough and Bridge mode DHCP leasetime configuration
 - Network frequency band selection fix
 - Network frequency Bands SIM1/SIM2 tab disappearing fix
 - Automatic APN save fix
 - Mobile Service mode validation fix
 - Mobile username/password' read & write fix
 - Mobile widget sent/received bytes for PPP mode fix
 - Mobile Data Limit firewall rule init fix

- Operator control fixes
- SMS Utilities message deletion fix
- SMS Utilities vpnstatus command fix
- SMS Utilities setting of APN with Auto APN enabled fix
- OpenVPN enable/disable fix
- OpenVPN Additional HMAC authentication option selection fix
- OpenVPN TLS/Password & Password authentication fixes
- VPN incorrect error message fix
- Unified VPN name validation methods
- Events Reporting service start fix
- Events reporting event subtype changes
- Network type logging on modem service restart fix
- Added button to delete all access points, fixed long configuration apply times
- Increased Hotspot Landing page file upload limits
- SNMP option in Events Reporting without package installed fix
- SNMP MIB syntax fixes
- Samba CVE-2019-3824 and CVE-2019-3880 fixes
- QoS speed fields validation fix
- Latest HTTP/HTTPS connections not showing in Access Status fix
- Added error messages in Package Manager
- Package Manager: added service restart after keep settings and backup installation
- Package Manager: decreased package script reload after keep settings firmware and backup upload
- Package Manager: services start on boot if enabled fix
- Changed packages names in Package Manager
- Merged all Package Manager tabs into one
- Premature session end when time is updated fix
- Expanded Input/Output status view and updated information
- Incorrect VLAN ID range fix
- Fixed VRRP default config to follow RFC 2338

- Hostname and router name after backup upload fix
- Unified password field validations
- USB modem widget crashing WebUI fix
- CVE-2019-12272: possible shell injection in WebUI fixed
- WebUI doesn't load if modem is unresponsive fix
- Input/Output button styles changed to reflect global design
- Fixed design issue in SIM idle protection
- Restore Point applying after backup fix

RUT9XX_R_00.06.04.5 | 2019.08.26

- Fixes:
 - RutFOTA Memory management fix and speed improvements
 - Firmware upgrade from server fix
 - Mobile page fix for 3G modules

RUT9XX_R_00.06.04.3 | 2019.08.14

- Fix:
 - Removed APB type 'mms' from database
 - Network Frequency Bands SIM1/SIM2 tab disappearing fix
 - Service mode validation fix
 - Automatic APN save fix
 - Mobile Username/Password read & write fix
 - LTE B20 band showing up twice fix
 - SIM2 tab APN write fix
 - SIM2 tab Authentication method does not show up fix
 - Enable automatic APN selection by default

RUT9XX_R_00.06.04.1 | 2019.07.31

- Fixes:
 - Mobile Bridge and Passthrough mode keep settings fix

RUT9XX_R_00.06.04 | 2019.07.24

- New features:
 - Package manager functionality added
 - Modbus Serial Master functionality added
 - SMS Limit functionality added
 - ZeroTier One VPN support implemented
 - Azure IoT Hub support implemented
 - Added buildable Cumulocity library and example application to the SDK
 - Add an insecure bridge option for MQTT
 - Added Jio APN
- Improvements
 - All VPN services styles were unified
 - Added Slovenia to operator country list
- Fixes:
 - SMS Gateway: Removed new line add after configuration save
 - Fixed Montenegro operators
 - SMS Utilities Mobile/WiFi on & off commands fixed
 - SMS Utilities UCI API rule fixes
 - Modbus Mobile/WiFi on & off commands fixed
 - DDNS service restart fix
 - Data limit validation fixes
 - Hotspot Logging disable fix

- Some grammar mistake fixes
- Disappearing 'Load Balancing/WAN Failover' option fix
- Fixed spammy WiFi logging
- On action 'reboot' allow a minimum of 5 minutes interval fix for Wget reboot
- Load Balancing re-ordering and deletion fix, added validation for policy name
- Operator control, determine APN from SIM IMSI number
- WAN state and IP print fixes
- DDNS name existence check fix
- Ping Reboot packet size 0 fix
- Added validation to prevent very large-files from being uploaded and taking up all the space in RAM
- Hotspot external landing page de-selection fix
- Input/Output Periodic Control fixes
- Port forwarding with prefix /31 fix

RUT9XX_R_00.06.03.2 | 2019.06.10

- New features:
 - Added port logging
 - Added upload backup from lower firmware version support
 - Added 4-pin I/O support for new RUT9 models
 - Introduced auto APN selection feature
 - Added SNMP GET requests for LAN1/LAN2/LAN3/WAN (or LAN4) status
 - Hotspot TOS HTML support added
 - GPL Teltonika 'twStreamApp' API for ThingWorx added
 - Added UDP support for serial connections
- Improvements:
 - Updated uci to version 2018-08-11
 - Updated ubus to version 2018-10-06

- Updated ubox to version 2019-04-07
- Updated libubox to version 2019-02-27
- Updated openssl to version 1.0.2r
- Updated busybox to version 1.30.1
- Updated dropbear to version 2019.78
- Added reply after mobileon and mobileoff SMS Utilities commands
- Added access control disable confirmation
- Added data limit information in Hotspot landing page
- Modbus: added busy status return code while actions are executed
- GPS: added support for Input/Output
- Expanded VRRP configuration to support virtual MAC
- Added -U parameter to gsmctl for ussd commands

- Fixes:
 - Mobile page fix
 - Increased RMS HTTP Proxy resource limit
 - Fixed LED indication setting
 - Fixed input validation issues
 - Mobile traffic graph fixes
 - SIM Idle Protection test fix
 - Services: Remove GRE and Hotspot from Status □ Services window
 - GPS speed calculation fix
 - Mobile: set 1st context to IPv4
 - RS232/RS485 service reload fixes
 - Bootloader URL update
 - Email to SMS validation and larger SMS send fix
 - Fixed LED signal issue when reporting invalid signal
 - Main WAN routes overwritten when USB Modem is used fix
 - Added explanation text to operator control

- Remove WEP encryption method
- Cloud4wi profile fixes
- IPSec 'Allow WebUI access' with 'Redirect to HTTPS' fix
- SMS Utilities User group validation fix
- GPS Map was made compatible with Edge browser
- GPS Tab order fix
- Wireless regulatory domain and channel change fix
- GRE and GPS start/stop fix
- Minor NHRP bug fixes
- XHR authentication fixes
- DMVPN lua bug fix
- SMS Forwarding clarified WebUI options
- Hotspot local users data limit fix
- Setup Wizard Mobile 'Dialing number' disappears after save fix
- Setup Wizard: Validation fix
- Wireless SSID validation fix
- Bidirect mode connection problems fix
- GPS & SNMP Trap link fixes
- Validation for GRE Tunnel interface name added
- Force band validation fix
- VRRP status window fix
- PPTP server configuration when upgrading from old firmwares with keep-settings enabled fix
- Added GPS geofencing coordinate validation
- Added error return codes for fault conditions, changed writing register numbers for Modbus
- Fixed GPS time synchronization
- Output - Periodic Control form not visible on Chromium fix
- SIM Switch on mobile data limit fix
- Load Balancing validation for port numbers fixed, modified warning message
- Overview Bytes sent/received count fix

- Fixed sending data to AVL server
- OpenVPN configuration name fix
- DMVPN configuration count validation fix
- IPsec LAN access fix
- After editing WAN interface, redirect back to WAN page fix
- Wireless STA scanning when all AP are down fix
- SMS Gateway auto reply page fixes
- NTP time zone options fix
- Wake on LAN validation to prevent shell command execution via 'name' field
- GPS Input/Output SMS send fix
- RMS HTTPS proxy fix
- Fixed RMS WAN State and WAN IP
- MQTT bridge with SSL/TLS connection fix
- Use DNS servers advertised by peer not saving fix
- Wget reboot logging fixes
- Periodic Control do not show timeout if it is disabled fix
- QoS speed limitation fix
- Added additional band support for some models

RUT9XX_R_00.06.02.2 | 2019.04.23

- Fixes:
 - GPS related fixes
 - SDK compilation fixes

RUT9XX_R_00.06.02 | 2019.04.05

- New features:
 - Added Modbus master feature

- Added Modbus data sender feature
- Added NMEA forwarding, Geofencing, NTP calculation, AVL forwarding, HTTPS forwarding, other satellite support to GPS functionality
- Added DMVPN service
- Implemented NHRP protocol

- Improvements:
 - Updated xl2tpd to version 1.3.13
 - Added "use as default gateway" option to SSTP
 - Added XT25F128B flash support
 - Shared-keys option added to Strongswan
 - Auto option selection added to Strongswan
 - Added GRE Tunnel source selection from interfaces and ability to write in the local IP
 - Added ability to create VLAN 0

- Fixes:
 - Fixed Event Log reporting over FTP
 - Multiple OpenVPN fixes
 - IPsec start order fix
 - IPsec configuration loss fix
 - IPsec sha512 and sha384 support fix
 - IPsec IKEv2 restart loop fix
 - L2TP stability issue fixes
 - L2TP service restart after config change fix
 - USB to serial multiple minor bug fix
 - Samba multiple bug fix
 - Wireless Station availability when two or more Access Points are created fix
 - Input/Output analog calculator fix
 - Wget Reboot disable fix
 - SMS Utilities, 'more' command SMS text customisation fix
 - SMS Utilities GPS ON/OFF fix

- SMS Utilities 'uci show' command fix
- Multiple SMS Utilities remote configuration fixes
- Use WAN as LAN fix
- Wake on LAN use WAN as LAN fix
- Authorization on LTE network fix
- Restore Point file download fix
- LED issue when rebooting router with reset button fix
- LED issue when there is no connection fix
- SSTP interface up after being disabled fix
- MQTT Publisher WAN IP retrieval fix
- Static leases, MAC address list fix
- Static Routes, PPTP interface creation fix
- SMS Utilities User groups synonymous numbers '00XXX' & '+XXX' fix
- Hotspot Restricted Internet Access fix
- Hotspot session in use by user deletion fix+
- Hotspot Walled Garden fix
- Hotspot Statistics window contains non-hostpots fix
- Hotspot authentication mode validation fix
- VLAN, LAN Network configuration backup fix
- VRRP fix
- Call utilities, mobile data ON/OFF without config write fix
- MQTT multiple bug fixes
- Output Scheduler fix
- Profiles: output scheduler update fix
- Maximum length SMS message send fix
- DDNS sleep after check interval and force interval fix

RUT9XX_R_00.06.00.4 | 2019.03.12

- Fixes:
 - Samba fix

RUT9XX_R_00.06.00.3 | 2019.03.08

- Fixes:
 - Special case 3G to 4G fix

RUT9XX_R_00.06.00.2 | 2019.03.07

- New features:
 - Added Wake on LAN feature
 - Added SMS Utilities Wake on LAN rule
 - Added Global module connection support
- Improvements:
 - Changed RMS communication protocol to MQTT from OpenVPN
 - Added informational text to Proxy based content blocker page
 - Improved wording in Load Restore Point section
 - Updated curl to version 7.64.0
 - Updated OpenSSL to version 1.0.2q
- Fixes:
 - UPNP not starting, reappearing leases fixes
 - Removed NOTRACK from firewall rules
 - RS232/RS485: allow DNS NTRIP address
 - DDNS Process kill fix
 - Multiwan fix
 - Added rule validation to Load Balancing
 - rpcd broken pipe fix

- Daily mobile traffic deletion fix
- Fixed mobile traffic logging graph issues
- CLI Connect button fix
- Data only SIM support fix
- Limit guard Widget fix
- Sdog related fixes
- Hotspot Advertisement address error message fix
- SSTP fix
- SIM switch related fixes

RUT9XX_R_00.05.04 | 2019.01.14

- Improvements:
 - Added IP allocation for users in L2TP server
 - SMS utilities add 'more' functionality
 - Added modem band display in Mobile page
- Fixes:
 - Remote access information fix
 - Fixed static route application for PPTP, L2TP servers
 - Fixed PPTP passwords file override
 - L2TP IP-range change fix
 - Fixed firewall rules that apply for hotspot firewall zone
 - SMS Utilities web access control rule fix
 - Wireless status and mobile uptime fixes
 - Fixed active connections on Fallback WAN
 - Fixed routing table display
 - Setup Wizard LAN DHCP fields not hidden when DHCP is unchecked fix
 - Fixed GRE Tunnel connection

- Fixed static routes table view with VPN interfaces
- Enabled NTP to run server and client simultaneously

RUT9XX_R_00.05.03.4 | 2018.12.20

- Fixes:
 - SSH security fix
 - Mobile page fix

RUT9XX_R_00.05.03.3 | 2018.12.11

- New features:
 - Added SSTP VPN protocol
 - Added force network bands support for RUT9xx H*****, U***** and T***** product codes
 - Added STunnel feature to VPN services
- Improvements:
 - Added every WAN interface selection to QoS
 - Updated VRRP to latest version
 - Added MAC address range support for WiFi MAC filter
- Fixes:
 - Enabled "Enter" key on login form
 - Mobile WAN IP display in overview
 - SMS status WAN IP with multiwan fix
 - Fixed WAN failover metrics and priorities
 - Some additional WAN failover fixes
 - Update Teltonika contact address in Licenses page
 - Fixed lua dispatcher error after reboot
 - Overview OpenVPN widget fix

- Associated wireless stations display fix
- PPTP default gateway set and delete fix
- GRE Tunnel delete after button press fix
- L2TP network restart after L2TP connection loss fix
- Wireless connection loop fix
- Modem related updates
- Disabled DHCP request in bridge mode
- Keep data limit count after firmware upgrade with keep settings fix
- WiFi STA+AP fix
- GPS related fix
- SNMP signal value type and memory leak fixes
- Modbus serial read gateway timeout fix
- Modbus set APN and memory leak fix
- Serial over IP ASCII full character support fix
- SMS Utilities check for incoming SMS fix
- Events Reporting firmware upgrade fix
- Mobile WAN IP fix
- L2TP network restart after client delete with default gateway set fix
- Hotspot user validation fix
- Added OpenVPN service restart when TLS Password is changed
- Redirect to different LAN IP after configuration backup, restore and firmware upgrade fix
- NTP time synchronisation after WebUI configuration fix
- Setup wizard wireless channel select fix
- Data collection counter fixes
- Fixed inactive SNMP Input/Output traps
- SNMP Hotspot and serial values fix
- Log to flash limited to 1MB

- Fixes:
 - Overview mobile WAN IP display fix

RUT9XX_R_00.05.02.5 | 2018.10.26

- Fixes:
 - Removed ability to use username and password without APN
 - Updated to latest modem version
 - Changed dhcp usage on mobile interface

RUT9XX_R_00.05.02.3 | 2018.10.22

- New features:
 - Added event log entry when clearing mobile data limit
- Fixes:
 - Data limit calculation fixes
 - SIM switch: data limit check fixes

RUT9XX_R_00.05.02.2 | 2018.10.12

- Fixes:
 - Troubleshoot: sensitive information (usernames and passwords) removal from router configuration
 - DDNS IP source changing fix
 - Overview VRRP widget status fix
 - OpenVPN name validation with special symbols check fix
 - SMS Forwarding number check with 00 code with listed numbers fix
 - Overview SMS counter widget fixes
 - Firewall and UPnP page display fixes
 - Periodic SIM Switch check fix

- Operator selection fix
- SNMP MIB values and file format fix
- OpenVPN configuration section name compatibility fix
- Call Utilities: 4G-only mode warning fix
- Mobile traffic data usage delete fix
- Disabled passthrough and bridge selection when multiwan is enabled
- Log to flash limited to 1MB

RUT9XX_R_00.05.02 | 2018.10.01

- New features:
 - Added Relayd function
 - Added ability to create multiple geofencing zones
 - Added support for NTFS disks
 - Enabled diffie-hellman-group14-sha1 key exchange algorithm
- Improvements
 - Changed default VLAN to vid 0, added ability to tag WAN port
 - Added ebgp-multihop option to BGP
 - Added Modbus parameters for GPS information
 - Added custom IPsec option field
 - Disabled Hotspot users ability to reach LAN devices and WebUI
 - WAN Failover: add option to execute command
 - Made Wired (Main) + Mobile (Failover) as default configuration
 - Enabled connection to RMS by default
 - Some RMS page updates
 - Added default LAN IPv6 address
- Fix:
 - OpenVPN server authentication change fix

- Events reporting rule enable fix
- PPTP use as default gateway option fix
- Language translation fixes
- RS232/RS485 synchronization bug fix when using NTRIP with GPS coordinates
- Operator list fixes
- USB to Serial firewall rules fix
- SMS Utilities rule not enabled exit fix
- MQTT remote address datatype fix
- GSMD: remove old info from help
- Some Hotspot functionality fixes
- Input/Output User groups fix
- DHCP server lease time fix
- Dynamic routes fixes
- Static Routes fix
- Mobile Passthrough mode fix
- Events Log Report configuration validation fixes
- WiFi updates and security fixes
- Overview WAN wiki link fix
- Overview Hotspot widget fix
- SIM Idle Protection Test WAN IP fix
- Samba network share discovery fix
- SIM card switch on data limit fix
- Mobile data bytes reset on 4GB fix
- Hotspot start after reboot fix

RUT9XX_R_00.05.01.8 | 2018.09.10

- Fixes:
 - Config restore fix

- RS-232 serial over IP fix
- CLI fix for RMS

RUT9XX_R_00.05.01.5 | 2018.08.02

■ New features:

- Added PDU forwarding function
- Added new logic for operator whitelist/blacklist
- Updated mobile operator database
- Added Firmware update information
- Added information text in Email to SMS page
- Added wiki link to an IP type next to WAN IP
- Added Graphs/Signal strength: UMTS network type signal
- Added Operators list: periodic network scan if fail to connect to operator on first time
- Added SLIP protocol with slattach software into the router
- Added automatic IP refresh in WAN page
- Added VLAN LAN IP start and end automatic update

■ Fixes:

- DDNS Force update
- Configuration Wizard: LAN page redirect fix
- Overview: WAN IP fix
- Fixed Troubleshoot: TCP dump
- Access Control: Add Redirect to HTTPS information
- Service Status: QoS status
- Hotspot: Parameter validation
- Overview: OpenVPN widget
- PPTP: Fix interface metric on multiwan with PPTP
- Network -> WAN Mode translate

- DHCP range display in VLAN page
- Change 'Backup WAN' to 'WAN Failover'
- Linux: CVE-2017-18017
- OpenVPN: remote IP address validation to not include route LAN subnet
- GRE: updated keep alive to work with cisco routers
- WebUI: NTP Time servers page fix
- Call Utilities: reboot action partial message
- WebUI: sim_switch: add ICMP host field validation
- Hotspot: data limit fix
- Security: CLI: updated shellinabox to 2.20, changed CLI WebUI page
- WebUI: DDNS: Force IP renew
- WebUI: SMS counter widget
- WebUI: Hotspot: security
- PPP: add default route
- WebUI: Hotspot: Protocol and HTTPS redirect option
- WebUI: Mobile Traffic Usage Logging
- WebUI: Administration added hostname length limit (32 symbols)
- OpenVPN: Add RMS service fix
- libgsm: Prevent crash on failed libusb init
- uHTTPd: Disable stderr option
- SMS Utilities: Prevent crash when reading config
- Mobile: Service mode selection fix
- WebUI: Prevent redirection to HTTPS by default
- WebUI: Add hint when accessing CLI without certificate
- SMS Utilities: Prevent stopping application on empty reports config
- CLI: Use correct service port

RUT9XX_R_00.05.00.5 | 2018.05.30

- New features:
 - Added forced password change
 - New firmware versioning system
- Fixes:
 - Fixed SMS PDU decoding sender number
 - Fixed RMS connection status display in Overview window
 - SIM Switching fix
 - Updated Hotspot login page parameters (MAC parameter)

RUT9XX_R_00.04.233 | 2018.04.26

- Fixes:
 - Minor Hotspot fixes (CVE-2018-17532)
 - Minor SIM Switch fixes
 - Minor opkg fix and package update

RUT9XX_R_00.04.199 | 2018.04.18

- Improvements:
 - Upgraded SIM Switch speed
 - Upgraded OpenVPN with the possibility to upload CRL files
 - Added IP aliases description and advanced features
 - Added additional DPD option to IPsec configuration
- Fixes:
 - Disabled saving password with the Enter key on WebUI
 - Firewall User Script fix
 - OpenVPN TLS clients fix
 - Some IPsec functionality fixes

- Fixed all VPN shutdown on delete
- Mobile Passthrough mode bad netmask fix
- Call Utilities write to config fix
- Minor Input/Output fixes
- Fixed RMS connection retry time
- Signal Strength display fix for HSDPA+HSUPA network type

RUT9XX_R_00.04.172 | 2018.04.10

- New features:
 - Added RMS connection page to Setup Wizard
 - Added link to Teltonika wiki in the router's WebUI
 - Updated Overview configuration with Remote Monitoring widget and wiki icon
- Improvements:
 - Upgraded to faster SIM switching logic
- Fixes:
 - Fixed OpenVPN TLS/Password client route pushing
 - Fixed GPS bug that caused 100 % CPU usage when using I/O
 - Fixed password saving with the "Enter" key
 - Removed RS485 echo
 - Fixed Event Log bug that caused Call events not showing up in the log
 - Fixed SMS-Utilities openvpn status rule

RUT9XX_R_00.04.161 | 2018.03.26

- Improvements:
 - Improved SSH security

- Fixes:
 - Fixed deleting SMS messages function in SMS Utilities
 - QoS bug fix that caused it to work even if it was disabled
 - LTE only mobile data connection fix
 - Minor Kernel fix
 - Minor functionality fixes for when there is no SIM card inserted

RUT9XX_R_00.04.153 | 2018.03.16

- Fixes:
 - IPsec fix for use with multiple WANs
 - Fixed a bug that caused different WAN IPs to be displayed in the Overview and WAN windows
 - SMS Forwarding to HTTP fix
 - SMS Utilities functionality fixes

RUT9XX_R_00.04.147 | 2018.03.08

- New features:
 - Added L2TP tunnel watchdog.
- Fixes:
 - PPP connection type fix
 - SMS Utilites vpnon/vpnoff rule fixes
 - Added GRE-Tunnel fix that prevents problems when switching profiles
 - OpenVPN status display fix
 - SMS Forwarding to Email fix

RUT9XX_R_00.04.125 | 2018.02.27

- Improvements:

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- Added ICCID print, for dynamic parameters
- Added reload function for GRE Tunnel if SIM Switch ocured
- Added SIM card option for GRE tunnel
- Fixes:
 - SMS Utilities forward to HTTP fix
 - Network Shares USB drive safe removal fix
 - Some changes to config hierarchy
 - Wget Reboot fix
 - Input/Output SIM Switch rule fix

RUT9XX_R_00.04.112 | 2018.02.20

- Fixes:
 - Small fix for HTTPS access when DMZ is enabled
 - Updates to Firmware Upgrade verification
 - L2TP unused UCI option removed
 - Minor fixes to VPN use with Multiwan
 - Format style fixes for VPN pages

RUT9XX_R_00.04.103 | 2018.02.14

- Fixes:
 - SMS Counter database fix
 - IP renewal by APN fix
 - Firmware verification bug fix
 - Call Utilities rule enable fix
 - Wget Reboot modem restart fix

RUT9XX_R_00.04.94 | 2018.02.12

- New features:
 - Added Printer Server functionality that allows control of a printer that connects to the router via USB cable
- Improvements:
 - Improved RS232/RS485 Over IP function so that the server can communicate with multiple clients at the same time
 - Added automatic Firewall rules that allow remote access to the router's WebUI when DMZ is enabled
- Fixes:
 - Some minor Samba fixes in the WebUI
 - OpenVPN username and password validation fix
 - Fixed VPN service restart when in use with Multiwan
 - Site Blocking file parsing fix
 - Some updates to the router's config file system
 - Firmware check fix

RUT9XX_R_00.04.75 | 2018.01.30

- Fixes:
 - APN bug fix
 - Added modem Firmware update package
 - Some minor OpenVPN username and password requirement fixes

RUT9XX_R_00.04.64 | 2018.01.23

- Improvements:
 - SMS Utilities rule configuration pages supplemented with information about SMS text format
 - Disable NAT function moved from VPN to Firewall page

- Fixes:
 - Minor fix to Hotspot functionality
 - Minor fixes to Firewall config
 - Fixed Mobile Data Limit byte count storage
 - RS232/RS485 Modbus functionality fixes

RUT9XX_R_00.04.57 | 2018.01.17

- Improvements:
 - Added special character support for OpenVPN tunnel names
 - Added binero.se to DDNS service list
- Fixes:
 - Fixed Write to config function for SMS Utilities mobileoff rule

RUT9XX_R_00.04.48 | 2018.01.12

- New features:
 - Added RS232 over IP serial data as email feature
- Fixes:
 - Fixed MQTT bug where you couldn't remove TLS/SSL option once selected
 - Fixed GPS hostname data type check
 - Fixed DHCP lease time validation in LAN and Setup Wizard
 - Updated IPsec stop function
 - Site blocking White List fix
 - Modem GPS related bug fix

RUT9XX_R_00.04.38 | 2018.01.08

- Fixes:
 - Changed Mobile Data Limit representation in the Overview window
 - Fixed GPS Fix status display bug

RUT9XX_R_00.04.32 | 2018.01.04

- New features:
 - Added Wget Reboot function
 - Added RS232/485 initiation string option for Modem mode
- Fixes:
 - Samba user creation fix. Added a user limit of 2999 users
 - Some minor grammatical and data type fixes in the router's WebUI
 - Added a function that restarts services when using the SMS Utilities uci rule
 - Input/Output Scheduler backup fix
 - Some fixes to the style of the Administration page
 - Network Operators White List fix
 - Mobile connection stability fix

RUT9XX_R_00.04.12 | 2017.12.22

- New features:
 - Added IPsec support for multiple clients
- Improvements:
 - Updated troubleshoot package with IPsec status
 - Added WebUI notice for SIM Switch on Data limit
 - IPsec instances limit set to 5
 - Dynamic list limit set to 100

- Fixes:
 - Wi-Fi security fix
 - Firmware update fix due to 04 FW version
 - SIM Switch back to primary SIM after Data or SMS limit fix
 - Fixed bug that didn't allow hostnames to be used as Ping Reboot

RUT9XX_R_00.03.985 | 2017.12.14

- New features:
 - Added left and right firewall options to IPsec configuration
- Fixes:
 - Fixed some minor grammatical errors
 - SIM PIN bug fix
 - Some minor fixes to SMS and Call Utilities
 - Fixed loading gif spinner bug that caused it to spin endlessly
 - SMS Gateway form validation fixes
 - Post/Get configuration fix
 - Fixed empty value insertion for IPsec local LAN
 - Fixed iptables rule that didn't allow Limit Guard to account traffic
 - Some minor PPTP Server and Client fixes
 - Fixed mobile disconnection bug

RUT9XX_R_00.03.965 | 2017.12.07

- New Features:
 - Added NAT Helper control page to the Firewall section
- Improvements:
 - Added IPsec Multiwan support for transport mode

- Fixes:
 - Changed data type for storing Data limit network stats
 - Added some default Firewall rules needed for SIM Switch
 - SIM Switch on Data limit now uses limit_guard for counting data
 - Some stylistic changes to router's WebUI
 - Fixed Call Utilities calling from User Group bug
 - Fixed OpenVPN Static key bug

RUT9XX_R_00.03.946 | 2017.12.01

- New features:
 - Added OpenVPN Client key decryption password field
- Improvements:
 - Updated Dynamic DNS service
- Fixes:
 - OpenVPN Server configuration save fix
 - Multiple PPTP clients in LAN fix
 - Fixed Realtime Traffic graphs with PPP type connection
 - Fixed PPP connection type data usage collecting

RUT9XX_R_00.03.923 | 2017.11.24

- Fixes:
 - Wi-Fi Station with WPA-Enterprise fix
 - Fixed Wi-Fi Access Point SSID mismatch when adding new Access Points
 - Fixed no data connection bug when Operator is added to the White List
 - Added fix that makes sure password fields glow red after entering incorrect data
 - Fixed SMS Utilities bug that caused Router Name not being displayed in status messages

- SMS Counter fix
- Some security fixes
- Some modem functionality fixes that prevent not switching to LTE
- SIM Switch logic fixes

RUT9XX_R_00.03.906 | 2017.11.20

■ New features:

- Added WPA-Enterprise support
- Added Hotspot Landing page URL parameters config
- Added Host list file feature that allows uploading a list of hosts to Site Blocking and Proxy Based Content Blocker
- Added RS232/RS485 Serial type: Modem option
- Added SNMPv3 support
- Added Huawei USB modem support added

■ Fixes:

- Added reboot patch for Event Log messages
- Use IPv4 Only fix that caused not using default context ID
- Fixed reboot with button issue
- Added Multiwan checking for L2TP fix
- Added default static route selection for L2TP
- Some kernel logging fixes
- Updated iptables 1.4.21 release to 2
- Updated busybox package to 1.24.2
- Fixed OpenVPN NAT configuration
- Web Filter model fix
- SMS Counter fix
- Fixed Bridge mode bug that prevented devices from getting an IP address when APN was entered
- Fixed connection to hidden Wi-Fi Access Point

RUT9XX_R_00.03.850 | 2017.11.03

- New features:
 - Added NETMAP functionality
- Fixes:
 - Some Limit Guard fixes
 - Some GPS functionality fixes
 - Mobile sent/received data added to TR-069
 - Fixed start up of SD card

RUT9XX_R_00.03.832 | 2017.10.25

- Improvements:
 - Added network and cell information
- Fixes:
 - RS232/RS485 fix for flow controll settings and console mode
 - Internet Explorer WebUI bug fix
 - Fixed new FOTA version notice
 - Added network and cell information

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