

RUT361 Firmware Downloads

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This page contains firmware files for RUT361 devices. Look to the table below or the [changelog](#) to find download links.

To upgrade firmware using WebUI, follow the instructions in [RUT361 Firmware](#).

RUT361

File	Type	Release date	Size	MD5	Changelog
RUT361_R_00.07.07.2_WEBUI.bin	Latest FW	2024.06.12	11.44 MB	6d465a094d990f78e7b3b354180cb018	Link
RUT361_R_00.07.06.10_WEBUI.bin	Mass production FW	2024.04.04	11.19 MB	5b73a84646c8c33ede8a7d6795602e92	Link
RUT361_R_GPL_00.07.07.2.tar.gz	SDK	2024.06.12	20.66 MB	cc919e3414ea93c9b9867f0b5ad95add	

Note: packages for [Package Manager](#) are independent from firmware and can be downloaded in the [Package Downloads](#) page.

FW checksums

Checksums for firmware files can be found [here](#).

Changelog

[RUT361_R_00.07.07.2](#) | 2024.06.12

- **Improvements**

- **Network**

- Zerotier: added backup WAN interface blacklisting if WAN failover is enabled
 - Mobile: improved communication stability with eSIM

- **Services**

- SNMP: added bruteforce attack prevention when using SNMP v3 user
 - L2TP: improved reconnect attempt logic
 - Wireless: removed unnecessary information from system logs

- **System**

- SSH: removed weak SSH algorithms
 - Telnet: moved to Package Manager

- **Fix**

- **Network**

- BGP: fixed instance migration issues
 - Mobile: fixed a SIM detection issue
 - Mobile: fixed forced APN configuration

- **Services**

- DMVPN: fixed duplicate NHRP map entries creation
 - OpenVPN: added fixes for the insecure tls-cert-profile option usage
 - **System**
 - IP Block: fixed blocking of UDP traffic
 - Ledman: fixed WiFi LED indication when WiFi configuration is changed
 - Uboot: fixed firmware recovery update via uboot on Windows
 - **CVE Patches**
 - CVE-2024-31948
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[RUT361_R_00.07.07.1](#) | 2024.05.03

- **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
 - Mobile: improved connection establish time for uqmi protocol
 - 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
 - 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
 - **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
- MWebUI: 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
- 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
 - 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
 - OpenVPN: added the bridge option for selecting the network device to be bridged with
 - OpenVPN: added possibility to create more than one TAP client
 - 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
- WebUI: improved first login password change logic
- Certificates: updated Root CA certificates
- 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 denied roaming flag set
- 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 formatting
- 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
- 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
- WebUI: fixed data loading error in Input/Output > Post/Get page
- PPTP: fixed PPTP instance deletion problem
- 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
 - 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-2024-2397
 - CVE-2024-25062
 - CVE-2024-27913
 - CVE-2024-22365
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[RUT361_R_00.07.06.10](#) | 2024.04.04

- **Fix**
 - **System**
 - Ledman: fixed memory leak
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[RUT361_R_00.07.06.8](#) | 2024.03.25

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

- **Improvements**
 - **Services**
 - IPsec: disabled libgmp in favor of openssl
 - IPsec: updated Strongswan to 5.9.6
 - **Fix**
 - **Services**
 - IPsec: increased charon load timeout
 - IPsec: fixed loading of large private keys
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[RUT361_R_00.07.06.6](#) | 2024.03.04

- **New**
 - **Services**
 - Added domain and subdomain options for external landing page in Hotspot
 - **Improvements**
 - **System**
 - Minified *.svg WebUI files to save space on the device
 - Removed unused easy-rsa package to increase free space
 - **Fix**
 - **Network**
 - Fixed mobile daily data usage representation
 - Fixed the issue with Wireless bgscan functionality not operating correctly
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[RUT361_R_00.07.06.5](#) | 2024.02.21

- Initial FW release for the RUT361 device