

RUTM08 Firmware Downloads

[Main Page](#) > [RUTM Routers](#) > [RUTM08](#) > **RUTM08 Firmware Downloads**

This page contains firmware files for RUTM08 devices. Look to the table below or the [changelog](#) to find download links.

To upgrade firmware using WebUI, follow the instructions in [RUTM08 Firmware](#).

File	Type	Release date	Size	MD5	Changelog
RUTM_R_00.07.08_WEBUI.bin	Latest FW	2024.07.18	20.75 MB	2e03287535a2695861d72009e25403bd	Link
RUTM_R_00.07.07.3_WEBUI.bin	Mass production FW	2024.06.25	21.5 MB	455d11885ab5ee5e898979e75ed493f8	Link
RUTM_R_GPL_00.07.08.tar.gz	SDK	2024.07.18	40.11 MB	0bbf203ab3f54de3433a4ff2069777f8	

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

RUTM08 device firmware cannot be downgraded below [RUTM_R_00.07.06.1](#) version.

FW checksums

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

Changelog

[RUTM_R_00.07.08](#) | 2024.07.18

- **New**
 - **Network**
 - 802.1X: added client support
 - DNS: added inherited server status to configuration page
 - HTTPS DNS Proxy: added new HTTPS DNS Proxy package to package manager
 - **Services**
 - Data to Server: added 'Lua script' data input
 - Input/Output: added ability to configure gpio debounce timer and changed default gpio debounce timer value from 200 ms to 10 ms
 - IPsec: added initial XFRM support
 - MQTT Modbus Gateway: added JSON message type format
 - OpenVPN: added DCO support
 - **System**
 - API Core: added option to configure api session timeout
 - Certificates: added "Let's encrypt" certificate generation
 - PAM: added RADIUS external user support
 - UI Core: added data analytics support
 - Update Firmware: added warning message about device being temporarily

unreachable on firmware update

- **Improvements**

- **Network**

- DNS: separated field "DNS forwardings" into two: one for simple server forwarding other for domain-specific
 - DNS: moved "DNS Forwardings", "Listen interfaces", "Exclude interfaces", "Local service only", options to advanced tab
 - Firewall: improved protocol field in all firewall pages by making that "All" value would be mutually exclusive with any other value
 - Multi WAN: improved interface status representation when using load balancing
 - Network: added more options for "IPv6 assignment length" field

- **Services**

- Azure IoT Hub: added DPS symmetric key attestation support
 - Azure IoT Hub: added Direct Method support
 - Azure IoT Hub: added Plug and Play integration
 - Azure IoT Hub: added link to "Data to Server" page
 - Data to Server: added support for multiple filters
 - Data to Server: improved HTTP output hostname definition with automatic protocol specification in URL
 - Data to Server: improved MQTT input connection handling
 - DNP3 Client: added option to enable/disable service
 - GRE: increased Inbound and Outbound key limit to 4294967295
 - Input/Output: added custom name support in I/O status page
 - IPsec: added certificate warning message
 - Modbus Server: added mobile last month and last week usage registers
 - Mosquitto: added large package size check for MQTT clients
 - MQTT Modbus Gateway: improved mosquitto reconnect time and service will try to recover few times before exiting
 - MQTT Publisher: improved MQTT connection handling
 - OPC UA Client: added security modes
 - OPC UA Server: added security modes
 - OPC UA Server: added service status display
 - OpenVPN: added support for decrypting private key when uploading a configuration file
 - OpenVPN: improved instance status state
 - OpenVPN: added options to specify an IP address pool for dynamic assignment to clients
 - Over IP: added label to show how many servers a client is connected to
 - Over IP: connect on data feature will not disconnect immediately after data transfer but wait for inactivity timeout
 - Over IP: increased TLS handshake timeout to 10 seconds
 - SMPP: added brute-force prevention
 - SMPP: added TLS/SSL support
 - SNMP: changed interface module OID structure
 - SNMP: improved User-based Security Model (USM) brute force attack prevention measures
 - Stunnel: improved global instance settings dependencies
 - emailrelay: updated version to 2.4.1
 - OpenVPN: updated version to 2.6.9
 - stunnel: updated version to 5.72
 - Tailscale: updated version to 1.68.1

- **System**

- Access Control: added certificate key length warnings
- Access Control: adjusted access control when all pages are blocked
- Access Control: added certificate file download for CLI to work on all browsers
- API Core: implemented functionality to include warning messages for vulnerable certificates
- Boot: enabled HW watchdog in bootloader
- Package Manager: added multi package actions
- Package Manager: added status filter
- Package Manager: moved package upload action to main page
- Package Manager: added links to installed packages pages
- Package Manager: refactored "Packages" page
- Package Manager: updated opkg repository link to use https
- RutOS: improved GPL example page to align with new software architecture
- Troubleshoot: added support for multiple syslog servers
- UI Core: added additional message with IP address to loading screen for scenarios when redirect to different IP address happens
- UI Core: added toast message hiding when text is too long
- Update Firmware: added 'Firmware version' data in screen after firmware upload
- WebUI: added functionality to cancel loading screen if it takes 30 or more seconds
- WebUI: removed all ubus method calls from webui
- WebUI: improved language caching
- WebUI: added password generator for first login modal
- WebUI: added sticky position to side menu
- WebUI: added default password hint to login error message
- WebUI: added warning messages for low-security certificates
- Kernel: updated version to 5.10.217
- libexpat: updated version to 2.6.2
- SSL/TLS: updated version to 3.0.14
- vue: updated version to 3.4

- **Fix**

- **Network**

- Devices: fixed missing API devices status endpoint permission
- DHCP: fixed "DHCP option" allow empty input value
- DHCP: fixed IPv4 leases being not correctly shown when NTP synchronizes time
- DHCP: fixed DHCP error that occurred after changing the subnet of the LAN IP address in the setup wizard
- Dynamic routes: fixed duplicated external routes cards
- Firewall: fixed firewall zone validation when adding interfaces
- Network: fixed overriding MAC address for interfaces that are bridged

- **Services**

- BACnet: fixed incorrect BACnet IP port used for sending responses
- BGP: fixed route map sequence going out of range
- BGP: fixed listen range field allowing multiple entries
- DLMS: fixed DLMS test response format
- DLMS: fixed COSEM group validation
- DLMS: fixed API POST error for /dlms/devices/config endpoint
- DLMS: fixed serial connection not working after reboot
- DNP3 Client: fixed to allow reading objects past 255 index
- DNP3 Client: fixed incorrect hints
- DNP3 Outstation: fixed serial outstation starting issues

- I/O Juggler: fixed improper dout action config handling
- I/O Juggler: updated profile change action
- Input/Output: allow unselecting all Post/Get access methods
- IPsec: fixed connectivity issues when using WAN failover
- IPsec: fixed the instance status when the local firewall option is disabled
- Modbus Client: fixed test request option validation
- Modbus Client: fixed alarm output action display values
- Modbus Client: fixed incorrect period hint
- Modbus Server: fixed APN register not clearing APN
- Modbus Server: fixed 148 and 164 modbus registers
- Modbus Server: fixed incorrect hints
- NTRIP: fixed NTRIP NMEA generation timestamp and coordinates errors
- NTRIP: fixed configuration reading with several instances added
- OPC UA Server: fixed not starting while modem is down
- OpenVPN: fixed displaying imported files from device
- OpenVPN: fixed the private key decryption for cases when a password is used
- OpenVPN: fixed data cipher migration
- Over IP: fixed connect on data initiating TCP connection after few data transfers
- Overview: fixed issue when devices without WiFi send additional request without data
- SMPP: fixed username bypass problem
- SMPP: fixed password validation
- SNMP: fixed GSM mSignal OID value type
- SNMP: fixed GSM module memory leaks
- SSTP: fixed functionality when the default route option is not enabled
- Web Filter: fixed whitelist not working for some hosts when using IPv6
- **System**
 - Administration: fixed repeated validation on cleared inputs and added validation when new password matches the old one
 - API Core: fixed API method validation during upload action
 - API Core: fixed error messages for POST method
 - API Core: fixed option list validation
 - Boot: fixed factory settings restore (firstboot) not deleting hidden files
 - Events Log: fixed refresh button in event log table
 - IP Block: fixed adding MAC addresses back to whitelist when unblocking all of them
 - Memory Expansion: fixed enable validation
 - Recipients: made phone number field required
 - Setup Wizard: fixed lan ip step not changing ip address
 - Troubleshoot: fixed system log and kernel log buttons to be enabled with read only rights
 - Update Firmware: fixed misleading "Firmware version" status of "N/A" to "FOTA service is disabled" when FOTA is disabled
 - Update Firmware: fixed issue when infinite spinner appears after updating device firmware from server without having internet connection
- **CVE Patches**
 - Patched CVE-2023-52425
 - Patched CVE-2023-52530
 - Patched CVE-2024-25629
 - Patched CVE-2024-28757

[RUTM_R_00.07.07.3](#) | 2024.06.25

- **Fix**
 - **Network**
 - WebUI: fixed port advertisement change
 - **System**
 - FOTA: fixed config when upgrading from older firmware with keep settings
- **CVE Patches**
 - CVE-2024-31950
 - CVE-2024-31951

[RUTM_R_00.07.07.2](#) | 2024.06.12

- **Improvements**
 - **Network**
 - Zerotier: added backup WAN interface blacklisting if WAN failover is enabled
 - **Services**
 - SNMP: added bruteforce attack prevention when using SNMP v3 user
 - L2TP: improved reconnect attempt logic
 - **System**
 - SSH: removed weak SSH algorithms
 - Telnet: moved to Package Manager
- **Fix**
 - **Network**
 - BGP: fixed instance migration issues
 - **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
- **CVE Patches**
 - CVE-2024-31948

[RUTM_R_00.07.07.1](#) | 2024.05.28

- **New**
 - Initial firmware release