Project software

FW downloads

This page contains various branch firmware versions for Teltonika Networks devices.

RUT955

[RUT9_R_00.07.00.811](#) | 2021.12.15

- **New features**
    - New, RUTX-like WebUI style
    - New WebUI based on Vue.js 2.6.12
    - RutOS updated to OpenWrt 19.07.7 base
    - DNP3 Master and DNP3 Oustation
    - 'Restore to user's defaults' SMS Utilities rule
    - DHCP Relay AT command

- **Improvements**
    - Added delay option to MODBUS TCP Master
    - Updated firewall to release 3
    - Updated kernel to version 4.14.221
    - Updated uhttpd to version 2020-10-01
    - Updated xtables-addons to release 9
    - Updated mwan to version 2.8.14
    - Updated pcre to version 8.44
    - Updated curl to version 7.74
    - Updated sqlite to version 3.33
    - Updated ncurses to version 6.2
    - Updated OpenSSL to version 1.1.1k
    - Added full MODBUS register address expansion specifier for Data to Server
    - Added full MODBUS register address legend
    - Added Client ID option for the MQTT protocol in Data to Server
    - Improved Data to Server sleeping accuracy
    - Improved Data to Server username validation; now space is allowed
    - Added firmware version OID to the SNMP service
    - Added IP address family option field to the SNMP page
    - Added SNMPv6 section to the SNMP Communities page
    - Renamed the 'System -> Users' page to 'System -> System Users'
    - Moved password changing option to the 'System -> System Users' page
    - Switched to ar8216 driver
    - Added IPsec XAUTH support
    - Improved OpenVPN updown, init scripts to write info about instance in JSON
    - Added AES-256-GCM encryption support to OpenVPN
    - Added extra configuration parameters to DMVPN
    - Added PSK conversion to DMVPN and single PSK types
    - Improved Package Manager package installation, deletion and dependencies

- Improved Package Manager download process over FOTA
- Added new Input/Output values manageable over RMS
- Added IPv6 traffic logging
- Made 'Network -> Failover' and 'Network -> Interfaces' page data draggable on multiple browsers
- Added Input/Output Post/Get URL parameter t_time changing delay and time to seconds or miliseconds
- Added message storage management by config value
- Improved QMI error handling and status tracking
- Turned on modem in preinit for correct power-on sequence
- Added Post/Get feature to turn mobile data on/off
- Added the possibility to use 2gonly/3gonly/4gonly arguments for cellular service command alongside current 2g/3g/lte arguments
- Added "Phone number" and "Message" fields for "Send SMS" option
- Added "Host to ping from SIM1" and "Host to ping from SIM2" fields
- Added support for multiple USB to Serial adapters
- Added option to send SMS warning messages to Hotspot users authenticated with SMS OTP when specified amount of data is used up
- Added "send analog input" option to TAVL settings

- **Fixes**
  - Added glib2 patch to fix CVE-2019-13012 vulnerability
  - Added ntfs-3g patch to fix CVE-2019-9755 vulnerability
  - Added WolfSSL patch to fix CVE-2021-3336 vulnerability
  - Added Busybox patch to fix CVE-2018-1000500 vulnerability
  - Added netifd, odhcp6c IPv6 routing loop on point-to-point links patches to fix CVE-2021-22161 vulnerability
  - Fixed Android clients IPsec MTU/MSS size
  - Fixed wrong IPsec DPD value saving
  - Changed IPsec PSK maximum length to 128 symbols
  - Fixed SSTP remaining up after package removal
  - Fixed DMVPN crypto_proposal write to config
  - Fixed I/O Juggler's SMS sending to correct group
  - Fixed I/O Scheduler's relay state issue
  - Added I/O direction check while changing IOs via I/O Post/Get
  - Fixed float endianness mismatch on some devices MODBUS TCP Master, MODBUS Serial Master
  - Fixed UPnP issue that caused config changes to apply only after service restart
  - Fixed WebUI files caching when upgrading firmware
  - Fixed WebUI date display format
  - Fixed MODBUS returning incomplete MAC address data
  - Fixed GPS time synchronization for DST regions
  - Fixed depleting IPv6 RA timeout when the ISP doesn't send RA updates
  - Added "Transaction timed out" error handling
  - Fixed PPPOE connection loss when wrong session PADT packet arrives
  - Added gcont object tracking and info update if this service is restarted
  - Fixed default SMS storage
  - Fixed SMS warning sending after Mobile Data Limit change
  - Fixed DHCP relaying over mobile networks
  - Changed PIN code maximum length to 8 symbols
  - Fixed 'I/O status' message to include correct Input/Output name based on info in ubus

ioman objects
- Fixed 'Over IP' serial type's UDP issue in client mode
- Fixed DLNA connections count total in statistics page
- Fixed WiFi Hotspot's Walled Garden issues
- Fixed WiFi Hotspot data logging issues
- Fixed P2P group information processing vulnerability in wpa_supplicant
- Added validation to Walled Garden Address list field