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ONT subscriber terminals

**NTU-RG5421G-Wac, NTU-RG5421G-WZ,
NTU-RG5402G-W**

Release notes, Firmware version 1.2.1 (31.01.2020)

Features:**System:**

- Added isolation between LAN ports from different groups.
- Implemented Statefull Firewall on NTU-52V.
- Added protection against LAN-interface deletion.
- Added automatic restart of CwmpClient in case of error.
- Implemented the IGMP group filtering mechanism.
- Added DHCP request for 33 and 121 options when receiving address on NTU-52V.

Web:

- The "user" user is allowed to configure the Z-Wave service.

Bug Fixes:**System:**

- Fixed PPP operation when using connect to demand.
- Fixed traffic spam to LAN ports when there is no WAN interface.
- Fixed restart of the service when reconnecting the optics.
- Fixed MAC filtering operation
- Fixed IP/Port Filtering operation.
- Fixed Multicast operation when using a separate mcast vlan.
- Fixed problem with SIP Password decryption.
- Fixed saving the "user" user password.
- Fixed issuance of IP addresses to Wi-Fi clients when using a third-party AP on the LAN.

Wi-Fi:

- Fixed operation of Wi-Fi in Bridge mode.
- Increased data transfer rate when connected to guest SSID.
- Fixed WPS operation for 5GHz module.
- Returned the possibility to select 12th and 13th channels in the 2.4GHz band.

TR69:

- Fixed forming of Marking and Filter indexes when grouping wireless interfaces.

Web:

- Fixed display of LAN port status.
- Fixed mismatch of LAN port numbers.
- Fixed display of PPP status after ONT reconfiguration.
- Fixed operation of the ping utility.

VERSION 1.1.1.2

Features:

System:

- Added reboot when kernel Oops occurs.
- Added possibility to create users and differentiate the level of their access to directories
- Increased maximum number of WAN interfaces to 8.
- Changed the logic of the reset button operation. Pressing the button now restarts the device, holding it for 10 seconds resets it to the factory settings.

TR69:

- Added parameter that allows to use base_mac on all WAN interfaces.
- Added sub-tree for remote device access configuration.
- Added parameter for configuring DMZ.
- Added parameter to control the passage of large packets.
- Added parameter that allows the user to download the backup.
- Logic of the bridged WAN has been changed.
- Changed operation logic of the bridged WAN.
- Added parameter for specifying the language in web-interface.
- Added option to control displaying of PPP interface settings web page.

PON:

- Supported ME: ptpVideoAni, ptpVideoUni, Transceiver for management/monitoring of triplexer parameters.

WEB:

- Changed the device access control mechanism from ACL to Remote Access.
- Increased the maximum number of supported connections to 5.
- Added possibility to use the domain name as an address on the ping page.
- Added NAT, IGMP proxy, Firewall, 802.1p fields of the WANConfiguration table on the Device Status page.
- Added display of Video power on Status->PON page.
- Added Status->LAN page to display LAN port statistics.
- Added Diagnostics->traceroute page.
- Changed the list of NTP servers.

VoIP:

- Enabled parameter <FXS Pulse Dial Detection> by default.
- Set dialplan <x.T> by default.
- Added hotline timeout functionality.
- Added SIP configuration to the device backup.

Bugs fixed:

System:

- Fixed logic for processing igmp JOIN requests.
- Fixed logic for processing igmp QUERY requests.

- Fixed multicast passing through Wi-Fi.
- Fixed multicast operation after receiving ONT Group-Specific Query.
- Fixed multicast artifacts on 100 Mbps interface with maximum utilization.
- Fixed detection of kernel Oops in watchdog.
- Fixed IP/Port Filtering operation.
- Fixed device freezing due to falling swapper.
- Fixed bug of sending ONT dhcp NAK to client while working in OMCI bridge mode.
- Fixed an issue with IP address assignment when DHCP Offer is sent by broadcast.

TR69:

- Fixed inability to receive DHCP option 60 management interface.
- Fixed operation of parameters:
SIP.RegistrationPeriod and SIP.RegisterExpires
- Removed InternetGatewayDevice.Time.X_REALTEK_Enable parameter.

WEB:

- Changed the logic of the local DHCP address pool. The addresses are now issued from the subnet to which the LAN IP interface belongs.
- Fixed errors on DDNS page.

Wi-Fi:

- Fixed Wi-Fi operation when the device operates in RG-bridge mode.
- Set a default password for guest WLANs.
- Fixed 2T3R mode usage error.
- Fixed incorrect port opening, enabled inactive rules erasing.