MA4000-PX. Release notes 3.34.1 (en)

Firmware version 3.34.1

Bugs fixed:

- PON. Fixed a bug appeared while ONT configuration.

Firmware version 3.34.0

Features:

- System. Added management of ont-battery alarms.
- System. Added support for reading additional data on SFP.
- SNMP. Added support for dot1qTpFdbTable.
- SNMP. Added support for dot1dStpPortTable.
- SNMP. Added support for dot1dStpPriority, dot1dStpRootCost and dot1dStpRootPort.
- SNMP. Added support for dot3StatsTable.
- PON. Added storm-control for ONT.
- PON. Support for redirection of unknown multicast to the specified GEM port.
- Switch. Added IGMP join sending for static groups.

Bugs fixed:

- Switch. Fixed deletion of the static IGMP group entry when IGMP leave is received.
- System. Fixed insertion of an empty argument when using Tacacs accounting.
- System. Fixed configuration loss while rollback.
- System. Fixed slot reconfiguration while SN ONT deletion.
- SNMP. Fixed index order in the IfTable.

Firmware version 3.32.0.95

Features:

- System. Increased maximum number of services up to 16.
- System. Added display of users authorized via TACACS.
- System. Added logging management for licenses.
- Switch. Added display of management address neighbors LLDP.
- Switch. Added support of additional 802.3 parameters for LLDP.
- SNMP. Optimized ltp8xONTConfigTable and ltp8xONTStateTable.
- SNMP. Added PoE support for ONT LAN ports in SNMP.
- PON. Added DBA delay reduction mode.
- PON. Added PoE support for ONT LAN ports.
- PON. Added support for ONT NTU-52VC, NTU-RG-5440G/5420G, NTU-1 rev.B/rev.C, NTU-MD500.
- PON. Added ONT LAN ports management.

Bugs fixed:

- System. Fixed problem of incorrect port values after reboot for TACACS.
- System. Fixed memory cache overflow.
- PON. Fixed PON password receiving and display.
- PON. Fixed problem of ONT 4th LAN port display.
- PON. Fixed PON password receiving for Unactivated ONT.
- PON. Fixed bringing PPPoE sessions up after mass reboot.
- PON. Fixed ONT activation error after fast reconfiguration.
- SNMP. Fixed lldpRem table operation.
- SNMP. Fixed ONT configuration ability with same PON serial.
- SNMP. Fixed extra parameters occurrence when adding ONT.

Firmware version 3.30.0.207

Features:

- System. Added ability to switch to shell from CLI.
- System. Added SNMP ommunity encryption in configuration.
- System. Added support for correct display of EquipmentID for NTU-RG-1421 models.
- Switch. Added configuration of packets passing through IP interfaces.
- PON. Added support for optical line length configuration.
- Added OID for downstream BER.

Bugs fixed:

- System. Fixed isolation loss after reboot.
- System. Fixed cli session-timeout loss after reboot.
- System. Fixed problem of profiles and template renaming.
- System. Fixed changing the firmware image forswitc Unit2.
- Fixed pon-password reading for Unactivated ONT.
- Fixed PMCHAL crash.
- Switch. Fixed system crash caused by show running-config alarm command.
- Switch. Fixed system crash when configuring clock summer-time.
- Switch. Fixed system crash while loading.
- Switch. Fixed removing VLAN from slots.
- SNMP. Fixed OID sysName issuance.
- Fixed memory leaks.
- Fixed template configuration.

Firmware version 3.28.2.2

Features:

- PON. Added support for ONT NTU-52V.

Firmware version 3.28.1.9

Features:

- Added support for ONT Ericsson T073G SBM4G00ARA.
- Added support for ONT Ericsson T063G SBM3X10ERA.

Bugs fixed:

- Switch. Fixed system crash while bin loading.
- Switch. Fixed system crash when using large licenses.
- PON. Fixed problem of editing ONT with PON password less than 10 characters.
- PON. Fixed pmchal crash while bringing ONT interface up.
- PON. Fixed pmchal crash when configuring ONT Ericsson T073G.
- PON. Fixed ONT Ericsson configuring when assigning voice cross-connect to a non-zero service.

Firmware version 3.28.0.158

Features:

- Added support for ONT Ericsson T073G, T063G, ONT PSG-590, RFT-620.
- PON. Added Voice profile and ability to configure voice service via OMCI.
- PON. Added ability to upload configuration files to ONT.
- Switch. Added ability to configure IGMP Proxy for PP4X.

Bugs fixed:

- System. Fixed access loss to device when authorizing via TACACS after update.
- Switch. Fixed IGMP Proxy operation on the first model.
- SNMP. Fixed an error when adding ONT.
- PON. Fixed adding 0 tag to multicast traffic on the first model.

Firmware version 3.26.3.2

Bugs fixed:

- Operation stabilization.
- Switch. Fixed problem of missing IGMP Snooping Querier Address setting.
- CLI. Message output about missing ONT configuration.
- Changed free RAM emergency threshold.

Firmware version 3.26.2.41

Features:

- Switch. Added ability to enable DHCP requests passing towards ONT.
- PON. Added support for new ONT NTU-RG54xx model.

- PON. Added support for SFP NEOPHOTONICS 38J0-6538E-ST+.

Bugs fixed:

- System. Fixed problem of systemdb crash.
- System. Fixed high CPU load by systemdb process.
- System. Fixed configuration loading by the authentication login default command.
- CLI. Fixed logging filter pp-other command.
- Switch. Model 1. Fixed transposition of General Query to the external mark.
- Switch. Model 1. Fixed sending multicast with 0 tag.
- Switch. Model 1. Fixed IGMP Proxy operation.
- Switch. Fixed system crash while bin refreshing.
- Switch. Fixed VLAN dynamic forwarding.
- SNMP. Fixed Dying Gasp Trap sending.
- Operation stabilization.
- SNMP. Disabled sending plc8RSSIValueTrap by default.

Firmware version 3.26.1.85

Features:

- Added configuration of several DHCP server addresses for DHCP Relay.
- Added VLAN dynamic forwarding for Model 1.
- Added option to disable ONT session limit when PPPoE IA is enabled.
- Implemented monitoring of band utilization by user services.
- Added support for long lines up to 40km.
- Added support of SFP transceiver PTB38J0-6548E-SCPC.
- Forbidden passing Unknown Unicast in default configuration of address-table profile (no edits regarding 3.24.6).
- Added licensing of third-party ONTs.
- Implemented disabling of session monitoring for PPPoE IA.
- Added IPSG configuration for individual VLANs.
- Added message output about configuration backup loading.
- Optimized RAM usage.
- Up to three simultaneous CLI sessions are set by default.
- Implemented monitoring of band utilization by user services in SNMP.

Bugs fixed:

- Fixed problem of PON ports missing from VLAN when rebooting the bin.
- Fixed problem of sending IGMP report if sent simultaneously with IGMP leave.
- Reduced probability of collisions when filling MAC address table.
- Optimized Report sending mechanism when several Queries are received.
- Fixed bringing PPP sessions up in Bridge mode (no edits regarding 3.24.6).
- Fixed PPP sessions clearing during OLT reconfiguration.
- Fixed IPTV problem on a tree that has ONT without Internet service.
- Changed format of FromHost field in syslog messages.
- Fixed incomplete application of configuration to a slot.
- Fixed Alarm freeze on slots.
- Implemented unlocking of ONTs in BLOCKED status when ONT is reconfigured.
- Fixed CLISH crash while logs unloading.
- Fixed firmware ONT files display.
- Fixed CLI crash when requesting spanning-tree active.

Firmware version 3.26.0.1376

Features:

- Added show running-config diff command displaying difference between candidate-config and running-config.
- Added authentication support on OLT via Radius.
- Added IPv6 support in Access-control list functionality.
- Added MLD support.
- Added DHCPv6 Relay Agent and its configuration profiles.
- Added IP Source Guard functionality.
- Added functionality for creating static IGMP groups.
- Added ONT licensing mechanism.
- Added SFP-ONU support.
- Added traffic tunneling support.

Optimization:

- Added ability to interrupt CLI traceroute and copy commands (interruption by Ctrl-C).
- Enhanced output and descriptions of several CLI commands, added and redesigned error messages displayed in CLI.
- Fixed access level for "no interface ont x/y/z" command. Now available for config-ont privilege.
- Changed position of the stack sync-allow command. Now it is in the root section of the CLI.
- Added ability to input ONT auto-renewal entries containing spaces.
- Renamed show users command to show users config.

- Added command for viewing the list of active users.
- Modified error messages occurring when downloading the backup.
- Unified commands format for displaying active groups, PPP and DHCP sessions (access to information via show interface gpon-port <S>/<P>).
- Improved CLISH stability.
- Fixed accounting operation via TACACS+.
- Fixed operation with several TACACS+ servers.
- Added ability to select all ONTs on a particular channel via SNMP.
- Added Engine ID automatic generation mechanism for SNMPD when the board is reset to default and manual generation by the "ip snmp agent engine id generate" command.
- Optimized issuance of VLAN table and PPPoE sessions.
- Optimized uploading backup copy via EMS.
- Optimized traps sending via SNMP.
- Optimization SNMPD memory usage and speed of reading ONT tables.
- Optimized ONT counter request via SNMP.
- Fixed SNMPD crash while inquiring ONT UNI ports status.
- Optimized output of Ethernet ports statistics.
- Implemented removal of auto-update rules when OLT is reset to default.
- Increased number of available cross-connect, shaping and dba profiles to 128.
- Added automatic channel reconfiguration when changing the assigned VLAN profile.
- Fixed errors when loading the startup configuration after firmware update.
- Changed IP IGMP Snooping configuration save format .
- Optimized system memory usage.
- Improved switchd stability when changing master.
- DHCP-RA. Added parameters PONSERIAL and DESCR to form 82 PPPoE IA option.
- DHCP-RA. Added ability to transfer option 82 DHCP Agent in binary form.
- Optimized memory usage by syslog-ng process.
- Improved stability of pmchal.
- Improved DHCP Relay functionality.
- Added DLOLT43BCDS20, DLOLT43CCDS20 and FH-DLT43CCDS20 SFP modules support.
- Added MFC 2v0 support (correct fan speed).
- Optimized mechanism for calculating allocations number on each channel.

Bugs fixed:

- Fixed quotes reproduction in logging filter-> match setting.
- Fixed autoconfirm at first commit.
- Fixed "no service X" command in template.
- Fixed restrictions on setting a hostname.
- Fixed replacement of PPPoE IA and DHCPRA profile names containing strings of the same name.
- Fixed logging builtin-filter command operation.
- Fixed authorization via TACACS+.
- Fixed new Engine ID application.
- Fixed absence of configuration rollback after commit, if not confirmed, when loading backup via EMS (in case of disconnection after commit).
- Fixed disappearance of SNMP users from configuration when rebooting OLT, as well as when changing Engine ID.
- Fixed removing profiles from ONT settings when removing the profile itself.
- Fixed problem with incorrect ONT configuration due to a certain sequence of configured ONT services.
- Fixed port removal from Management VLAN when enabling ACL and changing Management settings.
- Fixed bugs that caused a partial loss of configuration.
- Fixed operation of some 1Gb Ethernet SFPs.
- Fixed switching to Global Sync mode during master reboot.
- Fixed inability to update firmware between some versions when control boards are restarted separately.
- Fixed OLT reset to factory defaults by button.
- Fixed inoperability of Dualhoming after reboot master command.
- Fixed enabling logging in remote sessions.
- Fixed erasing log files by clear log command.
- Fixed temperature sensor readings at negative temperatures.
- Fixed slot reboot failure after version update.
- Fixed slot communication loss when changing hostname.
- Fixed "Failed while detect newer firmware -1" error when ONT auto-update is disabled.
- Fixed ONT SW/HW version reading problem when multiple ONT are activated.