



**Subscriber access/aggregation node MA4000-PX
OLT MA4000**

Release notes, Firmware version 3.30.0

Firmware version 3.30.0.207

Features:

- System. Added ability to switch to shell from CLI.
- System. Added snmp community encryption to a configuration.
- System. Support for correct display of EquipmentID for NTU-RG-1421 models.
- Switch. Added configuration of packet passing through ip interfaces.
- PON. Added support for configuring the optical line length.
- SNMP. Added OID for downstream-ber.

Bugs fixed:

- System. Fixed «isolation» loss after reboot.
- System. Fixed «cli session-timeout» loss after reboot.
- System. Fixed problem with profiles and template renaming.
- System. Fixed changing the firmware image to Unit2.
- PON. Fixed pon-password reading for Unactivated ONT.
- PON. Fixed PMCHAL crash.
- Switch. Fixed crash when using the show running-config alarm command.
- Switch. Fixed crash when configuring clock summer-time.
- Switch. Fixed crash when the device is booting.
- Switch. Fixed deleting VLAN from slots.
- SNMP. Fixed sysName OID issuing.
- SNMP. Fixed memory leaks.
- SNMP. Fixed template configuration.

Firmware version 3.28.2.2

Features:

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

Firmware version 3.28.1.9

Features:

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

Bugs fixed:

- Switch. Fixed crash when bin is booting.
- Switch. Fixed crash when using large licenses.
- PON. Fixed problem with editing ONT with PON password less than 10 characters.
- PON. Fixed pmchal drop when ONT is upped.
- PON. Fixed pmchal drop when ONT Ericsson T073G is configured.
- PON. Fixed ONT Ericsson configuration when mapping voice cross-connect to a non-zero service.

Firmware version 3.28.0.158

Features:

- PON. Added support for ONT Ericsson T073G, T063G, ONT ATPOH PSG-590, RFT-620.
- PON. Added Voice profile, added 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 loss of access to device when authenticating via tacacs after the update.
- Switch. Fixed igmp proxy operation on the first model.
- SNMP. Fixed an error when adding ONT.
- PON. Fixed adding the 0th tag to multicast traffic on the first model.

Firmware version 3.26.3.2

Bugs fixed:

- Switch. Operation stabilization.
- Switch. Fixed the problem of missing igmp snooping querier address configuration.
- CLI. Output the message that there is no ONT configuration.
- Changed the threshold for free RAM emergency.

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 systemdb crash.
- System. Fixed high CPU load by systemdb process.
- System. Fixed configuration loading by the command authentication login default command.
- CLI. Fixed the 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 crash when bin is refreshed.
- Switch. Fixed vlan dynamic forwarding.
- SNMP. Fixed sending Dying gasp trap.
- SNMP. Operation stabilization.
- SNMP. Disabled sending plc8RSSIValueTrap by default.

Firmware version 3.26.1.85

Features:

- Switch. Added configuration of several DHCP servers addresses for DHCP-Relay.
- Switch. Added vlan dynamic forwarding for Model 1.
- PON. Added option to disable session limit on ONT when PPPoE IA is enabled.
- PON. Implemented monitoring of band utilization by user services.
- PON. Added support for long lines up to 40km.
- PON. Added support for SFP transceiver PTB38J0-6548E-SCPC.
- PON. Prohibited passing Unknown Unicast in default configuration of address-table profile (no corrections concerning 3.24.6).
- PON. Added licensing of third-party ONTs.
- System. Disabled session monitoring for PPPoE IA.
- System. Added IPSG configuration for individual vlan.
- System. Added a message about loading the configuration backup.
- System. Optimized RAM usage.
- System. Up to three simultaneous CLI sessions are set by default.
- SNMP. Implemented monitoring of band utilization by user services in SNMP.

Bugs fixed:

- Switch. Fixed the problem of missing pon-ports from vlan when rebooting the bin.
- Switch. Fixed problem with sending IGMP report while sending IGMP leave.
- Switch. Reduced probability of collisions when the MAC address table is full.
- Switch. Optimized mechanism for sending reports when several Queries are received.
- PON. Fixed raise of PPP sessions in bridge mode (no corrections concerning 3.24.6).
- PON. Fixed erasing of PPP sessions when OLT is reconfigured.
- PON. Fixed an issue with IPTV in a tree where there is ONT without an Internet service.
- System. Changed the format of the FromHost field in syslog messages.
- System. Fixed partial application of configuration per slot.
- System. Fixed alarm freezing on slots.
- System. Implemented unlocking of ONTs in BLOCKED status when ONT is reconfigured.
- System. Fixed clish drop when downloading logs.
- System. Fixed display of firmware ONT files.
- System. Fixed CLI drop when requesting spanning-tree active information.

Firmware version 3.26.0.1376

Features:

- CLI. Added the show running-config diff command displaying difference between candidate-config and running-config.
- RADIUS. Added support for authentication on OLT via Radius.
- IPV6. Added IPv6 support in Access-control list functionality.
- IPV6. Added support for MLD.
- IPV6. Added DHCPv6 Relay Agent. Added corresponding profiles of its configuration.
- IPSG. Added IP Source Guard functionality.
- IGMP. Added functionality for creating static IGMP groups.
- Added ONT licensing mechanism.
- Added support for SFP-ONU.
- Added support for traffic tunnelling.

Optimization:

- CLI. Added ability to interrupt CLI traceroute and copy commands (interrupt by Ctrl-C).
- CLI. Added and enhanced output and descriptions of a number of commands in the CLI, added and redesigned error messages displayed in the CLI.
- CLI. Fixed access level for the "no interface ont x/y/z" command. Now available for config-ont privilege.
- CLI. Changed position of the stack sync-allow command - now it is in the root section of the CLI.
- CLI. Added ability to enter ONT auto-renewal entries containing spaces.
- CLI. The show users command is renamed to show users config.
- CLI. Added a command to view the list of active users.
- CLI. Modified some error messages when downloading the backup.
- CLI. Unified format of commands for displaying active groups, PPP and DHCP sessions (access to information via show interface gpon-port <S>/<P>).
- CLI. Improved stability of clish.
- TACACS. Fixed accounting operation via tacacs+.
- TACACS. Fixed operation with several tacacs+ servers.
- SNMP. Added ability to sample all ONTs on a specific channel via SNMP.
- SNMP. Added engine ID generation mechanism for snmpd automatically when the board is reset to default and manual generation by the "ip snmp agent engine id generate" command.
- SNMP. Optimized vlan table, PPPoE sessions issuing.
- SNMP. Optimized backup loading via EMS.
- SNMP. Optimized sending of traps via SNMP.
- SNMP. Optimization in SNMPD of memory used and the speed of subtraction of ONT tables.
- SNMP. Optimized ONT counter request via SNMP.
- SNMP. Fixed snmpd crash when polling the status of UNI ports on ONT.
- SNMP. Optimized output of statistics on Ethernet ports.
- Config. Implemented removal of autoupdate rules when OLT is reset to default.
- Config. Increased number of available cross-connect, shaping, dba profiles to 128.
- Config. Added automatic channel reconfiguration when changing the assigned VLAN profile.
- Config. Fixed errors when loading the startup configuration after firmware update.
- Config. Changed the format of saving ip igmp snooping configuration.
- PP4X. Optimized system memory usage.
- PP4X. Improved switchd stability when changing the master.
- DHCP-RA. Added parameters PONSERIAL and DESCR to form PPPoE IA option 82.
- DHCP-RA. Added ability to transfer option 82 DHCP Agent in binary form.
- Syslog. Optimized memory usage by the syslog-ng process.
- Improved stability of pmchal.
- Improved DHCP Relaying functionality.
- Added support for DLOLT43BCDS20, DLOLT43CCDS20 и FH-DLT43CCDS20 SFP modules.
- Added support for MFC 2v0 (correct fan speed).
- Optimized mechanism for calculating the number of allocations on each channel.

Bugs fixed:

- CLI. Fixed quotes reproduction in the logging filter-> match setting.
- CLI. Fixed autoconfirm at first commit.
- CLI. Fixed the "no service X" command in template.
- CLI. Fixed restrictions on setting a hostname.
- CLI. Fixed replacement of pppoeia and dhcpra profile names containing strings of the same name.
- CLI. Fixed the logging builtin-filter command.
- TACACS. Fixed authorization using tacacs+.
- SNMP. Fixed new Engine ID application.
- SNMP. Fixed the absence of configuration rollback after commit, if not confirmed, when loading the backup via EMS (in case of disconnection after commit).

- Config. Fixed disappearance of snmp users from configuration when rebooting OLT, as well as when changing engine ID.
- Config. Fixed removing profiles from ONT settings when deleting the profile itself.
- Config. Fixed problem with incorrect ONT configuration due to a certain sequence of configured ONT services.
- Config. Fixed removing a port from management vlan when enabling acl and changing management settings.
- Config. Eliminated errors that caused a partial loss of configuration.
- PP4X. Fixed operation of some 1G Ethernet SFPs.
- PP4X. Fixed the switch to Global sync mode during the wizard reboot.
- PP4X. Fixed inability to update firmware between some versions when control boards are restarted separately.
- PP4X. Fixed reset of OLT to default by button.
- PP4X. Fixed inoperability of Dualhoming after the reboot master command.
- Syslog. Fixed enabling logging in remote sessions.
- Syslog. Fixed erasing of log files by the clear log command.
- Fixed temperature sensor readings at negative temperatures.
- Fixed slot reboot failure after version upgrade.
- Fixed slot communication loss when changing the hostname.
- Fixed "Failed while detect newer firmware -1" error when ONT autoupdate is disabled.
- Fixed inability to read ONT SW/HW version when ONT are mass activated.