GPON OLT Series Software Release Notes

Uplink

**About This Document**

This Document provides a general description of the release and its new features. It also describes additions or changes, resolved issues, and any relevant open issues by the release.

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| Version | V2.1.4R |
| Date | 20210129 |
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| Item | The description of the release and its features. |
| 1. | Optimize: About SNMP and BS WAN bridge support. |
| 2 | Fix bug: About onu whitelist sn range. |
| 3 | Fix bug: About V1600G0 disable pon2 failed at system-init status. |
| 4 | Fix bug: About binding line profile failed due to snmp configuration service vlan 0. |
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| Version | V2.1.3R |
| Date | 20201103 |
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| Item | The description of the release and its features. |
| 1. | Fix bug: About the legality check of web DHCPv6 DUID Enterprise No. . |
| 2 | Fix bug: About web DHCPv6 alert. |
| 3 | Optimize: About tftp and ftp check FileName Is Valid. |
| 4 | Fxi bug: About WAN:  ①The 'Service Mode' of onu web 'WAN Connect Parameter Configuration' is incorrectly displayed when 'WAN Connect Mode' is route;  ②web pppoe username/password only support 31 characters;  ③show running is incorrectly displayed when configuring 32 characters pppoe username/password with command line. |
| 5 | Fix bug: About saving psg revertive-time failed after reboot. |
| 6 | Optimize: About ONU /Pri Profile WIFI SWITCH channel width. |
| 7 | Fix bug: About onu upgrade filename check: can not have spaces or some characters. |
| 8 | Fix bug: About onu sip\_user\_config. |
| 9 | Optimize: The 4-in-1 version support CPLD backup with command "CPLD restore". |
| 10 | Fix bug: The Gemport based on ONU restricts MAC address, which does not take effect in real time. |
| 11 | Fix bug: About onu interface is incorrectly displayed in optical-info. |
| 12 | Add command line function:  ①"alarm name <string> [print|record|trap|remote|all] [enable|disable]"  ②"event name <string> [print|record|trap|remote|all] [enable|disable]"  ③"alarm-event [config\_all] [print|record|trap|remote|all] [enable|disable]"  ④"alarm-event default [print|record|trap|remote|all]" |
| 13 | Optimize: About WEB System Configuration → System Log → Alarm. |
| 14 | Fix bug: About igmpsnooping. |
| 15 | Fix bug: About the command "show mac address-table pon {<1-8>}\*1 {<1-128>}\*1" is incorrectly displayed when it specifies PON and ONU. |
| 16 | Fix bug: About ONU/Pri Profile Security show and show running-config is incorrectly displayed when configuring 32 characters name/password. |
| 17 | Optimize: wan , wan\_adv PPPoE supports max 64 characters username/password/servname. |
| 18 | Fix bug: About sometimes cannot delete service of onu registered by Plug and Play. |
| 19 | Optimize: About getting onu catv status(active or inactice) on web/cli/snmp/bs. |
| 20 | Fix bug: About losing ONU Configuration because of onu dhcp\_server\_ipv6 showrun. |
| 21 | Fix bug: About saving Configuration cost too much time because of onu dhcp\_server\_ipv6 showrun. |
| 22 | Fix bug: About the unit of CBS and PBS is incorrectly displayed when modifing web Traffic Profile. |
| 23 | Fix bug: About losing ONU Configuration because of onu wan\_adv. |
| 24 | Fix bug: About G0 PON4 DOWN. |
| 25 | Optimize: b/s ems supports modifying the onu description. |
| 26 | Fix bug: About Terminal never time out. |
| 27 | Fix bug: About configurating onu gemport failed(ret.62370) after deleting line profile. |
| 28 | Optimize: About line vty limit. |
| 29 | Fix bug: About downloading file fail by tftp or ftp on command line. |
| 30 | Fix bug: About the wrong warning when configuring the tcont/gemport/service/service-port of the ONU bound to the line profile on command line. |
| 31 | Fix bug: About G0/G1WEO clean pon mac would cause olt reboot(cli/web/snmp clean pon mac or set onu max-mac-learn gemport). |
| Since 12.30 |  |
| 32 | Fix bug: Cannot log in to the webpage after upgrading and restarting the OLT. |
| 33 | Optimize: Add version and time info to running show. |
| 34 | Fix bug: About wan\_adv. |
| 35 | Optimize: About ONU / Pri Profile TR069. |
| 36 | Upgrade: About getting and displaying onu wan ip via dhcp. |
| 37 | Fix bug: About b/s ems configure profile line Service cause Segmentation fault. |
| 38 | Fix bug: About configurating Static Route failed due to aux configuration in some cases. |
| 39 | Optimize: About SSH. |
| 40 | Add command line function: "telnet <A.B.C.D> {port <1-65535>}\*1" |
| Since  2021.01.07 |  |
| 41 | Optimize: ONU/Pri Profile wan\_adv supports bridge mtu and bridge ipv4/ipv6. |
| Since  2021.01.26 |  |
| 42 | Fix bug: About deleting snmp-server community failed because of using the wrong command line display to delete. |
| 43 | Optimize: About SNMP WIFI SWITCH Channel Width. |
| 44 | Optimize: About SSH max startups and max sessions. |
| 45 | Fix bug: About ONU wan\_adv DHCP IPv6 SLAAC status is incorrectly displayed. |
| 46 | Optimize: About removing bridge option of V2801S and V2801RD wan configuration. |
| 47 | Optimize: About SNMP alarmOID. |
| 48 | Fix bug: About tftp and ftp. |

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| Version | V2.1.2R |
| Date | 20200824 |
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| Item | The description of the release and its features. |
| 1. | Fix bug:G0 PON4 Down problem. |
| 2 | Fix Bug: telnet failed problem |
| 3 | Fix Bug: snmp segmentation fault |
| 4 | Optimize: About ONU/Pri Profile wifi switch. |
| 5 | Optimize: CPLD upgrade. |
| 6 | Optimize: About getting ONU private capability information slowly on OLT web and b/s ems, and maybe cause the web page to get stuck for a while |
| Since  0917 |  |
| 7 | Fix bug: About web onu BIND Mode display. |
| 8 | Add command line function: "show onu <onu\_list> ber".  eg: gpon-olt(config-pon-0/3)# show onu 1-3 ber |
| 9 | Optimize: About WEB ONU Security. If the security function is not supported, the page will not be displayed. |
| 10 | Optimize: About WEB ONU Configuration. Except Multicast web page, each configuration page will display the pon number and onu number. |
| 11 | Add function: ONU/Pri Profile Loopback Detection. |
| 12 | Fix bug: Sometimes the SipDigitMap of the ONU is incorrectly displayed when the Pri Profile is bound. |
| 13 | Add command line function:  "traceroute <string> {[-s] A.B.C.D}\*1 {[-i] vlan <1-4094>}\*1 {[-t] <1-255> <1-255>}\*1",  eg:gpon-olt(config)# traceroute 192.168.2.34 |
| 14 | Optimize: About command line function "show version" : Show CPLD version for V1600G0, V1600G1WEO, V1600G1N(V1.3,V2). |
| 15 | Optimize: About deleting onu alarm. Alarm id: ALARM\_ONU\_DEREGISTER |
| 16 | Add function: ONU/Pri Profile TR069. |
| 17 | Fix bug: About ONU / Pri Profile dhcp\_server and dhcp\_server\_ipv6 showrun. |
| 18 | Fix bug: About IGMP Profile CLI show and showrun. |
| 19 | Fix bug: About ONU Security → User Control Configuration. |
| 20 | Fix bug: About telnet port and snmp port. |
| 21 | Add function: The 4-in-1 version support upgrade the CPLD function. |
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| Version | V2.1.1R |
| Date | 20200812 |
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| Item | The description of the release and its features. |
| 1. | Fix bug: About ssh Segmentation fault |
| 2 | Fix bug: About getting pon laser info on command line, eg： gpon-olt(config)# sh in gp 0/1 |
| 3 | Fix bug: Upgrade OLT on B/S ems cause Segmentation fault, add upgradeStatus for b/s ems OLT Upgrade |
| 4 | Optimize: About tftp and ftp |
| 5 | Add command in debug mode: exec ifconfig |
| 6 | Optimize: Support users to choose to show or hide web verification code |
| 7 | Support V1600G1WEO. |
| 8 | Add function: EDFA management interface(cli/web/snmp), including EDFA device status, alarm log, network configuration and device management. |

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| Version | V2.1.0R |
| Date | 20200731 |
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| Item | The description of the release and its features. |
| 1. | Fix bug: About tftp and ftp |
| 2 | Fix bug: About memory leak |
| 3 | Fix bug: About ping |
| 4 | Fix bug: About ONU Security web display |
| 5 | B/S ems support display onu POTS Port Status |
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| Version | V2.0.9R |
| Date | 20200724 |
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| Item | The description of the release and its features. |
| 1. | Update SSL RSA KEY |
| 2 | Fix bug: About SSL security |
| 3 | Fix bug: About tftp |
| 4 | Fix bug: About original user passwd |
| 5 | Fix bug: About ping |
| 6 | Close login-access-list kernel; exec limit; encrypt debug password |
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| Version | V2.0.8R |
| Date | 20200714 |
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| Item | The description of the release and its features. |
| 1. | Add function: ONU Super Lock. |
| 2 | Add function: ONU OMCI Heartbeat. |
| 3 | Add function: Support custom enterprise ID for snmp |
| 4 | Fix function: ONU Security |
| 5 | Fix bug: The ONU version is inconsistent on the web page and the command line |
| 6 | Fix bug: B/S ems config vlan |
| 7 | Fix bug: VLAN doesn't exist still can create igmp user\_vlan |
| 8 | Fix bug: IGMP Port USER VLAN still exists after deleting the VLAN |
| 9 | Fix bug: IGMP and IPv6 MLD psg on command line |
| 10 | Fix bug: No onu all on command line and get onu info on olt web or B/S ems cause Segmentation fault |
| 11 | Fix bug: After fixing bug 6 ,do the same operation and then show onu state on command line or click the onu status page on olt web cause olt get lock and the only thing can do is reboot the device manually |
| 12 | Fix bug: Set a value as large as 4294967295 failed, including but not limited to onu dhcp\_server , dhcp\_server\_ipv6 ,profile igmp |
| 13 | Fix bug: Web loopback Age Time range |
| 14 | Fix bug: ONU upgrade commit time and system time are inconsistent |
| 15 | Fix bug: SSH max sessions |
| 16 | Fix bug: When registering ONUs in batches, if the onu list is refreshed repeatedly on the olt web, Error: ret-2 may occur, and the web will be stuck for a while |
| 17 | Fix bug: No legality check on psg revertive time |
| 18 | Fix bug: After binding the line profile which the service configuration is wrong failed ,onu can not configurate gemport |
| 19 | Fix bug: About onu upgrade |
| 20 | Remove the wrong command line configuration about onu/pri profile wan(wan\_conn) port binding |
| 21 | ONU /Pri Profile ipv6 wan support configurate lan5 - lan8 |
| 22 | Fix bug: About private businesses such as show wan configuration failed |
| 23 | Fix bug: About User Management |
| 24 | Remove Chinese annotation in JS and CSS |
| 25 | Add: B/S ems onu model |
| 26 | Fix bug: About Uplink Port such as multiple trunk vlans are configured on the uplink port, and then clicking submit on the web will cause the page to get stuck, and then cannot access the web page |
| 27 | Fix bug: About Loopback Manual-recovery |
| 28 | Optimize: About switchport vlan |
| 29 | Remove super backdoor password |
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| Version | V2.0.7R |
| Date | 20200424 |
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| Item | The description of the release and its features. |
| 1. | Default username and password after 2.0.7R changed to admin and Xpon@Olt9417# |
| 2 | Fix bug: SSH connects too many clients cause memory consumption |
| 3 | Fix bug: Psg onu auto-learn and bind profile about format profile |
| 4 | Fix bug: Auto-copy feature |
| 5 | Fix bug: In some cases deleting the server of Tacacs+ and Radius will cause segmentation fault |
| 6 | Fix bug:Refresh web page ONU AuthList→ONU List results in segmentation fault when deleting onu on command line is not finished |
| 7 | Optimized the reset button: Changed the 10s clear configuration to restore the default password and aux ip |
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| Version | V2.0.6R |
| Date | 20200407 |
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| Item | The description of the release and its features. |
| 1. | Fix bug: operation stuck problem . |
| 2 | Fix bug:Removal of ONUs in batches will cause restart problems |
| 3 | Fix bug: Port isolation via web page operation does not take effect |
| 4 | Fix bug: ONU offline problem in some scenarios |
| 5 | Add: mstp feature |
| 6 | Add: onu ipv6 wan and ipv6 dhcp server |
| 7 | Add: pri profile ipv6 wan and ipv6 dhcp server |

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| Version | V2.0.5R |
| Date | 20200225 |
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| Item | The description of the release and its features. |
| 1. | Add feature: Automatic and flexible vlan configuration for onu. |
| 2 | Upgrade version and permission control |
| 3 | Bugs about profile commit and exit or web display |
| 4 | Add uplink port fiber rx value display for G0 |
| 5 | Add auto-copy feature. |
| 6 | Add web login verification code ;refuse simple password |
| 7 | Enable ssh by default |
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| Version | V2.0.4R |
| Date | 20191126 |
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| Item | The description of the release and its features. |
| 1. | Add Radius feature. |
| 2 | Add tacacs+ web |
| 3 | Some segmentation fault bug. |
| 4 | Bugs about B/S ems. |
| 5 | Bugs about snmp |
| 6. | Bugs about onu list and search |
| 7. | Bugs about ssh |
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| Version | V2.0.3R |
| Date | 20191010 |
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| Item | The description of the release and its features. |
| 1. | Add protection switch group type b feature. |
| 2 | Add onu version info and statistics show on web. |
| 3 | Fix some bugs about ssh. |
| 4 | Fix some bugs about snmp and b/s ems. |
| 5 | Fix some bugs about ipv6. |
| 6. | Fix some bugs about igmp snooping. |
| 7. | Add auto-find result to onu search function. |
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| Version | V2.0.1R |
| Date | 20190808 |
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| Item | The description of the release and its features. |
| 1. | Fix onu not found bug after olt reboot . |
| 2 | Fix clean pon statistics bug on web. |
| 3 | Fix disable ntp server can not save configuration bug. |
| 4 | Fix IGMP snooping not work bug |
| 5 | Fix pon enable/disable not work bug on web. |

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| Version | V2.0.0R |
| Date | 20190722 |
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| Item | The description of the release and its features. |
| 1. | G0 support |

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| Version | V1.9.8R |
| Date | 20190702 |
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| Item | The description of the release and its features. |
| 1. | Add Tacacs+ feature |
| 2. | ONU security private protocol |
| 3. | Link flapping feature |
| 4. | Mac flapping feature |
| 5. | ONU auto/manual upgrade |
| 6. |  |

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| Version | V1.9.7R |
| Date | 20190522 |
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| Item | The description of the release and its features. |
| 1. | Onu lan status |
| 2. | Loopback range: PON, deactivate onu while it’s loopback detect. |
| 3. | Onu AutoDelete |
| 4. | SSH |
| 5. | IPV6 support |
| 6. | RIP, OSPF support |

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| Version | V1.9.6 |
| Date | 20190417 |
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| Item | The description of the release and its features. |
| 1. | New license key method as EPON OLT: four license key and onu numbers and time limitation can be set by user. |
| 2. | B/S EMS support. |
| 3. | Onu auto upgrade configuration web will return 404 error after selecting the file who’s name longer than 30 chars. |
| 4. | Logo-logo3 can be download by tftp. |
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| Version | V1.9.5R |
| Date | 20190326 |
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| Item | The description of the release and its features. |
| 1. | IPV6 support |
| 2. | RIP/OSPF support |
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| Version | V1.9.4 |
| Date | 20190227 |
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| Item | The description of the release and its features. |
| 1. | Fix onu delete function, clean the onus which not exist in onu list. |
| 2. | Fix onu upgrade abort bug. |
| 3. | Fix onu auto upgrade bug, v1.0.02 to v1.0.0 etc. |
| 4. | Add onu register time and alive time on web |
| 5. | Fixed httpd port should be plus 1. |
| 6. | Fix add gemport failed after remove line profile. |
| 7. | Fix autobind mode has no N/A option. |
| 8 | Fix boot up failed while there is unknown flow on uplink port fiber. |
| 9 | Fix add service-port with untagged mode from web failed. |

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| Version | V1.9.3 |
| Date | 20190122 |
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| Item | The description of the release and its features. |
| 1. | Fixed bug: check onu service on web will find that all line profile’s service. |
| 2. | Fixed bug: startup failed without usrcfg.conf file. Remove usrcfg.conf file which larger than 2M. add a log file cfgLog for usrcfg.conf changed recording. Force system up no matter how the custfs.ubi state. |
| 3. | Fixed bug: startup failed and loop rebooting while ipv6 address exist in usrcfg.conf file. |
| 4. | Fixed bug: command line ‘show onu state’ will return error code 65331 and no result. |
| 5. | Fixed bug: web menu as onu config/line/srv/pri profile’s submenu should be highlight. |
| 6. | Fixed bug: add gemport failed after remove line profile of the onu. |
| 7. | Fixed bug: startup failed while keeping flow on GE1 to GE8. |
| 8 | Fixed bug: incorrect https port, the real value equal to the setting value that plus 1. |
| 9 | Add feature: support cloud ems(app) connection. |

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| Version | V1.9.2 |
| Date | 20181226 |
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| Item | The description of the release and its features. |
| 1. | Fixed bug: Create vlan and save configuration, or create pppoe wan on pri profile , while loading configuration file after reboot, it will be failed. |
| 2. | Fixed bug: After restored default configuration(erase start-up ), packets with vlan 1 can’t be sent to ONU. So, only upstream with vlan 1 works. |
| 3. | Modified: option82 slot value from 1 to 0. Removed the first ‘/’ |
| 4. | Removed: veip port vlan configuration of HGU on plug and play. |
| 5. | Modified: avoid dba profile default1 to be deleted. |
| 6. | Fixed bug: disable plug and play feature, all pon auto-learn disabled after reboot. |
| 7. | Added: onu whitelist sn-auth |
| 8 | Added: onu 1,3,6-10,12 profile/tcont/gemport etc. commands |
| 9 | Added: psg command |
| 10 | Fixed bug: format profile save. |
| 11 | Fixed bug: dynamic lacp |
| 12 | Fixed bug: 10G link failed sometime. |
| 13 | Removed: invalid username and password will wait 60s. |
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| Version | V1.9.1 |
| Date | 20181126 |
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| Item | The description of the release and its features. |
| 1. | Fixed bug: P2P does not work after reboot. |
| 2. | Modified: move button from down to top of some tables. |
| 3. | Add features: auto-learn default service profile base on pon. |
| 4. | Add features: plug and play. |
| 5. | Add features: Search onu by onu’s description. |
| 6. | Add features: add onu sn to onu alarm message. |
| 7. | Add features: show interface brief |

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| Version | V1.9.0 |
| Date | 20181025 |
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| Item | The description of the release and its features. |
| 1. | Fixed bug: Some device has memory leak issue after sent unknow unicast packet. |
| 2. | Fixed bug: Modify user password times will cause system segment fault. |
| 3. | Add features: dynamic lacp |
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| Version | V1.8.9 |
| Date | 20181009 |
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| Item | The description of the release and its features. |
| 1. | Fixed bug: PON LED status is incorrect when ONU 128 online/offline. |
| 2. | Fixed bug: unplug main fiber when onu auto-learn will cause onu state’s list not equal to onu auth list. |
| 3. | Add features: configure onu’s private features from ems. |
| 4. | Add feature: dos security configuration. |
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| Version | V1.8.8 |
| Date | 20180824 |
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| Item | The description of the release and its features. |
| 1. | Fixed bug: failed to set service from ems. |
| 2. | Fixed bug: failed to set line profile from ems. |
| 3. | Add features: set WAN/WIFI/VOIP/MISC from ems. |
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| Version | V1.8.7 |
| Date | 20180814 |
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| Item | The description of the release and its features. |
| 1. | Fix bug: get pon information more faster. |
| 2. | Fix bug: system name check of web, show running time of cli |
| 3. | Fix bug: loopback detect feature will cause memory lost issue. |
| 4. | Fix bug: |
| 5. | Add: PON MAC Table of WEB. command of cli: show mac address-table pon / mac address-table clean pon |
|  | Add: terminal time-out /web time-out for cli. |
|  | Add: web timeout for web |
|  | Add: download/upload file using ftp. |
|  | Modify: sleep 2mins before loading start-up configuration. If gpptest not exist for 60s, it will restart it. |
|  | Fix bug: onu auto find, index 1-24, and then from 1 again. |
|  | Fix bug: private profile auto bind. |
|  | Fix bug: private profile dhcp server subnet address show error. |
|  | Fix bug: private profile wan mode pppoe, olt reboot after summit. |
|  | Add: no onu offline/ delete offline on web |
|  | Modify: license 30 days to 31 days. |
|  | Fix bug: vlan 1 not work on some device . |
|  | Add: vlan p2p feature. |
|  | Add: pon range. Modify maximum distance. |
|  | Fix bug: Modify srv profile to ‘N/A’, the srv profile be changed. |
|  | Fix bug: Confirm All feature: always PON1 be selected. |

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| Version | V1.8.6 |
| Date | 20180528 |
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| Item | The description of the release and its features. |
| 1. | Fix bug: some device reboot automatically case by ‘show onu info/status operation’. |
| 2. | Fix bug: ems unstable to connect device or sync slowly. |
| 3. | Fix bug: multicast takes/holds too much memory. |
| 4. | Fix bug: some web bugs and some operation optimization |
| 5. | Add: web user role. |
|  | Fix bug: dhcp server feature will failed while enabled the arp proxy. |

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| Version | V1.8.5 |
| Date | 20180428 |
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| Item | The description of the release and its features. |
| 1. | Modify WAN configuration of WEB. |
| 2. | Add Function: private wifi/voip/dhcp server/misc, include CLI/WEB/EMS |
| 3. | Fix bug: some device will be failed while using untag or vlan 1 on ONU. |
| 4. | Fix bug: line profile failed. |
| 5. | Fix bug: web description or name invalid check. |
| 6. | Fix bug: system failed while modifying PPPoE’s WAN connection. |

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| Version | V1.8.4 |
| Date | 20180206 |
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| Item | The description of the release and its features. |
| 1. | Fix bug: modify default dba profile will cause segmentation fault. |
| 2. | Fix bug: show upgrade onu-version will cause segmentation fault. |
| 3. | Add function: olt loopback detect. |
| 4. | Finish function: private protocol --WAN\VOIP configuration. |
| 5. | Add function: after boot up, check once DDR test result. If DDR test error, keep SYS led state. |
| 6. | Fix bug: profile name too long will cause segmentation fault. |

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| Version | V1.8.3 |
| Date | 20171220 |
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| Item | The description of the release and its features. |
| 1. | Add function: show sys license command and WEB’s license show. |
| 2. | Add function: change web logo by command. |
| 3. | Add function: some private protocol |
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| Version | V1.8.2 GOIP |
| Date | 20171129 |
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| Item | The description of the release and its features. |
| 1. | Add function: onu port loopdetect configuration/ alarm log. |
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| Version | V1.8.1 |
| Date | 20171120 |
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| Item | The description of the release and its features. |
| 1. | Add function: onu main/standy software verion display on “onu detail info” |
| 2. | Add function: onu model display on “onu info” |
| 3. | Fix bug: configuration save failed while description string has space. |
| 4. | Add function: Add range vlans from web. |
| 5. | Changed: led flash mode of uplink port. Fiber: flash led while rx/tx packet. Copper: active led flash more regular. |

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| Version | V1.7 |
| Date | 20171025 |
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| Item | The description of the release and its features. |
| 1. | Fix bug: Enable the auto-learn function on web, it still display ‘disable’ after refresh. |
| 2. | Fix bug: Incorrect onu list display on web when using ‘sn+pw’ or ‘loid+pw’ auth method. |

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| Version | V1.6 |
| Date | 20171021 |
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| Item | The description of the release and its features. |
| 1. | Add function: onu search |
| 2. | Add function: abort onu upgrading. |
| 3. | Add function: delete onu firmware file from web. |
| 4. | Add function: omci debug. |
| 5. | Add function: catv operation on WEB. |
| 6. | Modify display: Automatic discovery onu on WEB. |
| 7. | Add function: auto get a free onu id on ‘onu add’ WEB. |
| 8. | Fix bug: auto learn function, default-onu-type not per PON, all PON share the same one. |
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| Version | V1.5 |
| Date | 20170927 |
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| Item | The description of the release and its features. |
| 1. | Fix bug: while upgrading onu，refresh web may cause device reboot. |
| 2. | Add function: show onu distance |
| 3. | Add function: license alarm. |
| 4. | Add function: onu search(only cli) |
| 5. | Add function: abort onu upgrading. |
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