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Firmware Version 1.20.02

Date: 2024/10/18

New Feature / System Release	Description
System / CLI	<p>Update CLI "Tab" behavior.</p> <p>First click "Tab" for auto fill up the command, after fill up done then click "Tab" again for list related commands.</p> <p>Example:</p> <pre>FOS(config)# sw [TAB#1] FOS(config)# switch [TAB#1] FOS(config)# switch [TAB#2] switch switch-info FOS(config)# switch</pre>
SSH	Update Dropbear version to 2017.
Update	Description
User Privilege	Modify user account level "Read-Only" of CLI, it cannot enter to configure layer.
User Account	When clicks the password field for edit via web, the content of the field should be cleared.
QoS	<p>QoS improvement:</p> <ol style="list-style-type: none"> [CLI] Modify parameters' naming of content of specific command "show qos <cr>". [CLI] Information of "User Priority" move to specific command "show qos interface <cr>".
CLI	<p>Input "show ip igmp filter" and "show ip igmp filter interface x" via CLI will find the error string.</p> <p>"Filter" instead of "Filitier"</p> <p>"Profile" instead of "Prifole"</p>
WEB	WEB GUI IGMP/MLD Filtering page display wrong character of title. "Filter" instead of "Filitier".
CLI	CLI will stuck when enter much times "show log <cr>".
SNMP	Execute snmpbulkwalk will cause device SNMP crash.
DHCP Snooping	Unexpected DHCP packet with wrong format will crash DHCP process.
System / CLI	Set ACL IPv6 entry with a long IPv6 address and prefix 128, then enter



	"show running-config" will cause all CLI disconnect.
802.1X	DUT can't complete authentication process with TLS mechanism.
LACP	LACP packet carries actor system priority 0 which does not match expected default value 32768.
System / CLI	When polled using SSH (TCP connection, login, and logout) the switch will stop responding to login requests after a couple of days.
Switch Monitor / VLAN Table	Set specific VLAN configure will cause VLAN Table display wrong. (Not affect behavior)
DHCP Auto-Provision	Support judgement dhcpv6 packet include single or multiple option 17.
System / SNMP	To polling device via SNMP but device SNMP service is disabled, then will cause system memory-leak.
System / Restore Configuration	Speed up of restore configuration.
VLAN / CLI	After restore partial configure, apply a trunk-vlan on an interface and enter "show vlan", it will lost interface trunk-vlan log.
L2PT	Decapsulation of double tagged packet to VLAN tunnel port is incorrect that inner tag is 4 bytes shifted.

Firmware Version 1.20.01

Date: 2022/06/24

New Feature / System Release	Description
CLI / Terminal Length	Terminal length setting applies to multiple show commands besides show start-up-config / running-config / default config.
System / Hostname Description	Modified the upper limit of the allowed word count from 30 to 64.
Update	Description
Web / Static Multicast Configuration	The configuration change message wouldn't be prompted after the first entry of multicast IP is created.
Web / Static MAC Table Setup	Creating multiple MAC address entries and then setting one of the entries' forward port to another interface will cause some entries to disappear.
LACP	The side device will get the LACP flapping after DUT enables LACP and successfully establishes a link aggregation group.
LACP	DUT cannot send LACP packets precisely per second.
DHCPv6	Fixed that DHCPv6 packets with Opt37 can be carried through when Opt82 relay agent is enabled and Opt82/37 trust port is disabled, as a result of encapsulation errors.



DHCPv6	Fixed that when the DHCP server port receives the DHCPv6 relay-reply packet to be forwarded to the client, there will be redundant 4-byte 0s at the end of the packet.
System	The status of all the ports will display incorrectly after DUT working some days, even if interfaces are well connected and linked.
System/ All port status	All ports status will display incorrectly after DUT works for some days, even though in actuality ports are all well connected and linked. [Notice] A workaround is used to fix this issue, so when the issue happens, all port status can display correctly, but local event log messages still will be auto cleared by the system, and be recorded again!
QoS	The DSCP Remarking function behaves as it did even after the configuration has been modified.

Firmware Version 1.20.00

Date: 2021/08/24

New Feature / System Release	Description
System	Support new switch chipset. [Note] Bootloader Version = 1.00.02
System	Support new PHY chipset. [Note] Add blocking firmware downgrade feature (1.20.00 or above -> below 1.10.06) with new PHY.
Update	Description
N/A	N/A

Firmware Version 1.10.06

Date: 2021/07/27

New Feature / System Release	Description
N/A	N/A
Update	Description
Firmware Copy	Fixed that when do FW copy via SNMP, the upgraded FW version still display old FW version.
MAC Address Table / LLDP	Modify LLDP packet will not be learnt on MAC address table, and it will not be dropped by RSTP/Fast Ringv2 blocked port.
Port Link Flap Log	Fixed that when do port link down and up continue, it will cause port link up flap log "dBm" disappear.

Firmware Version 1.10.05

Date: 2021/06/25

New Feature / System Release	Description
Port Link Flap / SNMP	Support can get the port flap counter for all ports via SNMP.
Update	Description
DHCP	When DHCPv6 client get IP, and then disable IPv6, DUT should send out release packet, but actually not.
DHCP	When DHCP client get IP, and disable IPv4, DUT may not send out release packet and always get IP again.
System	When the user executes the firmware copy, the fw_md5_chk.x file is still the md5 of the old firmware.
System	The distance on the SFP port information page shows an incorrect value. (Special SFP, SFP-31FC, LCS/1.25G/MM550m/85nm/D/T)
System Information	Add power status "N/A" of type and state on WEB GUI.

Firmware Version 1.10.04

Date: 2020/12/18

New Feature / System Release	Description
N/A	N/A
Update	Description
Fast Ring v2	Fixed the issue of Fast Ring function can't apply on trunk port.

Firmware Version 1.10.03

Date: 2020/12/11

New Feature / System Release	Description
CLI	Add show bootloader version showing command "show bootloader-info".
Update	Description
CLI	Fixed the issue when use command "show log terminal-length [1-500] <cr>", can't input range.
Event log	Fixed the issue when after restore config, will cause event log page has



	no any warm start log.
Event log	Fixed the issue when choose Oldest to Newest index 1 and entries 1, the Max. number of pages is incorrect.

Firmware Version 1.10.02

Date: 2020/12/07

New Feature / System Release	Description
Event Log	Add search feature.
Event Log	Add Event Log Save feature.
Update	Description
Restore configuration	Fixed the issue need long time to restore configuration file when configuration file has multiple VLAN config.

Firmware Version 1.10.01

Date: 2020/08/13

New Feature / System Release	Description
RSTP	<p>Modify RSTP default value and config rules:</p> <p>< Original ></p> <ul style="list-style-type: none"> ● RSTP default parameter: Max Age = 6, Hello Time = 1, Forward Delay = 4. Max Age Range is 6-200. <p>< New ></p> <ul style="list-style-type: none"> ● RSTP default parameter: Max Age = 20, Hello Time = 2, Forward Delay = 15. Max Age Range is 6-40. <p>Config rule :</p> <ul style="list-style-type: none"> ➤ $2 * (\text{Forward_Delay} - 1.0 \text{ seconds}) \geq \text{Max_Age}$ ➤ $\text{Max_Age} \geq 2 * (\text{Hello_Time} + 1.0 \text{ seconds})$
Update	Description
Fast Redundancy / Status	Fixed that when enabled NTP and the topology has changed, status of "Last Change Time" will display incorrect.
Network Management / Network Configuration	Fixed that when set IPv6 link-local or global address via web UI, if without input prefix length, will set to 0, should be use 64 instead 0.
System	Fixed that when enable ipv6 and LLDP port 1 will cause middle crash.
Sticky MAC Address	Fixed that after the sticky mac trigger shutdown is locked, the action changes of other ports will cause locked port to be unlocked.



System	Fixed that when use SNMP tool to get OID SwhIGMPVIDConfigEntry or Swh8021QVLANEntry will cause CPU idle rate down to 0%.
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Firmware Version 1.10.00

Date: 2020/07/22

New Feature / System Release	Description
Warm Reload	Support Warm Reload feature. Condition: 1. Up Time 2. Ping
DNS	Support "DNS Server" settings of IPv4 and IPv6 both are can set 3 rules.
Restore Configuration	"Restore configure file" can understand 'Unix', 'MAC' and 'Windows' format of jump line. (Before only can understand 'Unix' and 'Windows')
Firmware Upgrade	New HW chipset cannot downgrade firmware version to old FW(1.00.00 ~ 1.00.0V); Old chipset still can downgrade to old FW. Alarm message: "Please use firmware version 1.10.xx or above version to upgrade/downgrade firmware for this hardware version".
Update	Description
Security Configuration / MAC Limiters	Modify when MAC limit action was drop, at this moment the status will display "--", not "Unlocked".
Event Log	Modify display sequence of lists (Top one is the newest)
HW Reset button	Modify behavior of Reset Button (Status LED): [Original] [0~5 sec] Green light : No action [5~13 sec] Orange light : Reboot [13~20 sec] Orange light with blinking (0.5 sec on / 0.5 sec off) : Reset to supplier default [20~ sec] Orange light with blinking (0.1 sec on / 0.1 sec off) : Reset to factory default [New] [0~5 sec] Green light : No action [5~10 sec] Orange light : Reboot [10~20 sec] Orange light with blinking (0.5 sec on / 0.5 sec off) : Reset to



	<p>factory default</p> <p>[20~ sec] Orange light with blinking (0.1 sec on / 0.1 sec off) : Reset to supplier default</p>
Trap Destination	Fixed that after entering "no destination" in the trap destination field, it will become empty, should be 0.0.0.0.
System Service Configuration	Fixed that when enabled IP source binding, then through SSH method to connect device, it will failed.
MAC Address Management / Static MAC Table / Sticky MAC	Fixed that when any three ports learning full sticky mac address, then change any one port VLAN mode from Access to Trunk, then will cause DUT reboot.
MAC Address Management / Static MAC Table / Sticky MAC	Fixed that the locked sticky MAC port will be unlocked by change other ports' option of action.
Security Configuration / Storm Control	After the storm control is triggered to cause shutdown and then to change the action from shutdown to drop, the port will be unlocked.
Port Link Flap Log	Fixed that port link flap log display wrong at default configure.
Trap Destination / DNS	Fixed that when SNMP trap destination set a URL, but DUT will not send DNS query packet.
DNS	Fixed that when DUT send DNS query and receive response, and then the time to live is up, DUT still keep the IP will not resend DNS query.
VLAN / CLI	Fixed that when input "show vlan" via CLI, will find the Dot1q tunnel ether type have too more special symbol ":".
Syslog Server / CLI	Fixed that when input "no syslog server1" via CLI, server address will become empty, should be 0.0.0.0.
NTP / CLI	Fixed that when input "no ntp server1" via CLI, server address will become empty, should be 0.0.0.0.
ACL	Fixed that when set ACL rate limit from 1 to 15 via CLI, DUT will not pop fail message.
IGMP Snooping	Fixed that when input "no ip igmp snooping query-interval" will cause the value become to 100, the default value should be 125.
MAC address table	Fixed that when input "show mac static-mac all(or interface)", when total input over 13 times will cause CLI and web UI disconnect.
Link Aggregation / Port Trunking	Fixed that when input port trunking group name include symbol ",", it will cause the character behind the symbol has disappeared.
VLAN Configuration / VLAN Translation	Fixed that when input VLAN translation name include symbol ',', it will cause the settings incorrect.
IGMP Snooping / IPMC Profile	Fixed that when input "ip igmp filter profile x" in interface layer via CLI will be failed and also do restore config will not successful.



Static Multicast Configuration	Fixed that the table can input IPv6 multicast IP, should be cannot.
LLDP	Fixed that LLDP cannot display port description.
DHCP Snooping	Fixed that when received the DHCP packet (BOOTP option with length 254), it will cause DHCP snooping function busy in infinite loop.
IP Source Binding	Fixed that when set IP source binding with IPv6 multicast via web UI will be not successful, but don't pop error message.
System / Memory	Fixed that when the interface link down then link up, it will make internal system wrong and cause memory leak.
VLAN Configuration / VLAN Translation	Fixed that when VLAN Translation rules are full, CLI pop up tip words is not correctly.
SNMP / VLAN	Fixed that when set VLAN group to 1-4094 and will get specific SNMP OID failed (swh8021QTagVLAN, swh8021QTrunkVLAN).
SNMP / VLAN	To not display the specific VLAN IDs on table if not created yet.
Syslog Server	Fixed that when 2 DNS server active/inactive/active then will cause syslog cannot send related message.
Front Console LED	<p>Modify behavior as below:</p> <p>[During device boot-up]</p> <p>Connected console port:</p> <ul style="list-style-type: none"> Enabled terminal window – Light Off Disabled terminal window – Light Off <p>Disconnected console port:</p> <ul style="list-style-type: none"> Light Off <p>[After device boot-up ready]</p> <p>Connected console port:</p> <ul style="list-style-type: none"> Enabled terminal window – Green Light Disabled terminal window – Light Off <p>Disconnected console port:</p> <ul style="list-style-type: none"> Light Off

Firmware Version 1.00.0V

Date: 2019/05/23

New Feature / System Release	Description
N/A	N/A
Update	Description
MAC Limiter	Modify MAC-limit max range from 0-50 to 1-50.



SNMP / Trap Destination	To hidden "domain name" method of "Destination IP" (only can input IP address method, because current still have some issue)
Port Link Flap Log	Fixed that when change media-type from copper to fiber, port link flap log no display "copper is disconnected".

Firmware Version 1.00.0U

Date: 2019/05/20

New Feature / System Release	Description
N/A	N/A
Update	Description
Sticky MAC	Fixed that when enable and learn some sticky MAC address, manual to input "new" static MAC address will cause other sticky MAC address auto change to manual type.
Storm Control	Fixed that cannot effective storm control function via WEB set.
SNMP / Trap Destination	Fixed that when clearing more than two fields above will prompt "IP address error", but only clear one field without warning.
SFP Port Threshold / Alarm Message	Fixed that alarm message will display incorrect on temperature part.
SFP Port Threshold / Alarm Message	Fixed that alarm message will display incorrect port number.
CPU and Memory Statistics	Fixed that CLI CPU and memory statistics of memory buffered "name" does not match WEB page and SNMP tool.
SFP Port Threshold	Fixed that when input "sfp threshold voltage high 290" via CLI, the value will display incorrect. (e.g. Expected: 2.9 ; Actually: 29)

Firmware Version 1.00.0T

Note: * Specific EEPROM not supported.

Date: 2019/05/13

New Feature / System Release	Description
Sticky MAC	Support "Sticky MAC Address" feature.
Firmware Copy	Support can "Copy current running image to backup image"
Port Link Flap	Support alarm threshold of each port's link up or link down times.
Port Link Flap Log	Support history of each port's link up and link down.
SNMP / Public mib	Support public parameter "ifLastChange" OID(.1.3.6.1.2.1.2.2.1.9),



	when the port has change state (link up or link down) then will update this time of value.
SNMP Trap	Support "System Up" and "System Power Up" trap when device power on. (System Up – Warm Start ; System Power Up – Cold Start)
* Storm Control	Support action (drop/shutdown) & per port settings of "Storm Control".
HTTPs	WEB service support "HTTPs" method.
DNS	Page "Network Configuration" support DNS settings and below pages can support input domain name method of address field: <ul style="list-style-type: none"> - Syslog - NTP - Trap Destination
SFP Port Threshold	Support threshold alarm(SNMP trap & syslog message) of each port. (Parameter: Temperature, Voltage, TX Power and RD Power)
CPU Loading	Support system CPU Loading(Usage %).
Update	Description
WEB UI	<ol style="list-style-type: none"> 1. Modify global button from "Check box" to "Drop-down menu". <ul style="list-style-type: none"> - 802.1X System Configuration - DHCP Opt82Option37 Settings - PPPoE Configuration - Port Isolation - MAC Limiters - Loop Detection 2. Modify monitor page's "Update" button to "Refresh" button. <ul style="list-style-type: none"> - CPU and Memory Statistics - CPU Temperature Status - RSTP Bridge Overview - IGMP Snooping Status - IGMP Group Table - MLD Snooping Status - MLD Group Table - DHCP Snooping Table - MAC Limit Status - Layer 2 Protocol Tunnel Status - LLDP Status - Fast Redundancy Status 3. Implement "Refresh" button on some monitor page. <ul style="list-style-type: none"> - LACP Port Status - LACP Statistics



	<ul style="list-style-type: none"> - RSTP Port Status - RSTP Statistics - 802.1X Port Status - 802.1X Statistics - Loop Detection Status
Telnet/SSH	Support maximum session from 4 to 5.
Syslog Message	When user reboot, login and logout, syslog message will take user's IP address and user account name for record.
Port Packet Error Statistics	Rename "RX Oversize Frames" to "RX Oversize(1518 Bytes) Frames".
Fast Redundancy / Status	Add information on UI.
Syslog Message / Warm reboot	Fixed that when DHCP mode do warm reboot DUT from all UIs, system cannot send "The system is going down NOW!" syslog message out.
SFP State	Fixed that when dynamic plug SFP will cause SFP DMI information display wrong.
SNMP / Trap Destination	Fixed that even trap Destination not enable system still will send dying gasp ARP.
VLAN Translation	Fixed that VLAN translation can't work when DHCP snooping enable with DHCP mode.
System Information / Host Name	Fixed that when user#1 login device via telnet, and at this moment user#2 modify system host name then user#1 still can see the system host name still the old one.
IGMP Snooping / ARP	Fixed that when enabled IGMP Snooping, system cannot forward ARP packets with "ff" format out.
Network Configuration / IPv6	Fixed that IPv6 DUID display wrong (last 6 numbers should be device's MAC address).
System / Memory	Fixed that when modify configure and will consume continuously system memory until 0.
System / CLI	Fixed that when input "snmp-server community test" and "exit" with 14 times continuously via Telnet/SSH, then CLI will hang.

Firmware Version 1.00.0S

Date: 2019/01/03

New Feature / System Release	Description
Fast Ring v2	Added Fast Ring v2 function with status button for updating.
Fast Ring v2	Added Fast Ring v2 function with multicast copy.
Update	Description



LACP	Fixed that the web page for link aggregation distribution rule item arrangement doesn't match CLI and SNMP.
CLI	Fixed that LACP configuration role value items should be adjusted to disable, active and passive.
LLDP	Fixed that LLDP function can't work fine.
SFP information	Modified that SFP state unit of TX/RX power should be displayed dBm.
SNMP	Modified that the voltage unit should be show "V" in SNMP.

Firmware Version 1.00.0R

Date: 2018/11/23

New Feature / System Release	Description
N/A	N/A
Update	Description
Telnet	Fixed that SSH and Telnet can't work fine issue.
Fast Ring	Fixed that Fast redundancy topology change will cause DUT offline issue.

Firmware Version 1.00.0Q

Date: 2018/11/19

New Feature / System Release	Description
N/A	N/A
Update	Description
SNMP	Fixed that there is no poe traps in new firmware issue.
Fast Ring	Fixed that Fast redundancy topology change will cause DUT offline issue.
Telnet	Fixed that SSH and Telnet can't work fine issue.

Firmware Version 1.00.0P

Date: 2018/10/18

New Feature / System Release	Description
Fast Ring v2	Added Fast Ring v2 function.
Update	Description



VLAN translation	Fixed that when using SNMP tool to add several VLAN translation rules with the same port, OVID and different Mapped VID successfully issue.
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Firmware Version 1.00.0N

Date: 2018/09/05

New Feature / System Release	Description
N/A	N/A
Update	Description
MAC Address Table	Fixed that when search MAC address with VLAN Name by WEB method will get wrong result.
MAC Address Table	Fixed that when search MAC address with VLAN Name by WEB method will get wrong result.
IGMP Snooping Table	Fixed that IGMP snooping table total display not correctly.
QoS / Rate-Limit	Fixed that when enabled DHCP Snooping will cause QoS Rate-limit not working.
VLAN Translation	Update VLAN Translation can set from 20 rules to 44.
CPU & Memory Statistics	Modify CPU Loading Threshold default value from 300 to 850 (1/100).

Firmware Version 1.00.0M

Date: 2018/05/21

New Feature / System Release	Description
N/A	N/A
Update	Description
System	Fixed that the DUT reboot can't be successful issue at random.

Firmware Version 1.00.0L

Date: 2018/05/18

New Feature / System Release	Description
N/A	N/A
Update	Description
CLI	Fixed that using CLI to show running-config interface 6,10 ,but result did not show vlan id 4094.
PoE	Fixed that the issue for CLI show the PoE budget value, it doesn't match Web UI.



DHCP	Fixed that DHCP Client packets of Windows OS can't be forwarded to DHCP server when enable DHCP snooping.
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Firmware Version 1.00.0K

Date: 2018/05/03

New Feature / System Release	Description
DHCP auto recycle	Modified that if DHCP auto recycle disable then use CLI to set DHCP recycle should not reply "OK" message.
Update	Description
Configuration	Fixed that it can't display DHCP recycle setting when show running config will not display completely issue.
CLI	Fixed that the reminder for config restore or back up is incorrect in CLI.
DHCP recycle	Fixed that DHCP recycle has no CLI command, and then do restore config will cause function not enable.
CLI	Fixed that CLI VLAN Translation tips change from "Duplicate mapped-IDs on this interface!" to "The mapped-vid duplicates on this interface!".
MAC address	Fixed that the web page for the MAC address table should automatically update when users configure the VLAN table.
CLI	Fixed that after restoration for default, the vlan dot1q-vlan and name default_vlan will be seen via show running-config and startup-config command.
VLAN translation	Fixed that VLAN translation information is incorrect when use CLI command to show run config by interface
L2PT	Fixed that L2PT work with IGMP snooping or DHCP snooping will cause DUT reboot or hang issue.

Firmware Version 1.00.0J

Date: 2018/03/30

New Feature / System Release	Description
WEB	Modified that WEB page can automatically change to login page when Logout Succeeded.
WEB	Modified that WEB page can automatically change url when ip address is changed.
WEB	Modified that when update firmware in web, upgrade image option default should be another.
MAC address	Added that MAC address table can search more ports at the same time.
Syslog	Added that it can support the Mal-attempt Log configuration.
L2PT	Added the L2 Protocol Tunneling function.
VLAN Translation	Added the VLAN Translation function.



CLI	Modified the command for “show VLAN table without member, port and VID”.
CLI	Added to support that CLI show running configure support can search with ing the config(running) for a specific word.
SNMPc	Modified that if the SNMP polling time is set to 2secs one time, sometime cannot get value and get burst value(max 100mbps, but can get 288mbps), cannot get real time.
DHCP recycle	Added the DHCP recycle function.
ARP	Support that UI can show ARP table.
Update	Description
Console	Fixed that it will not pop error message, when set the value of management console fail retry times between 11 to 1440 via CLI.
Console	Fixed that console login fail block time has decreased about 17% to 28% issue.
Console	Fixed that when over failed retry times it will send syslog to server with wrong message issue.
SNMPc	Fixed that after configure DUT to get upgrade firmware from SNMP, "image option" auto changes to the image of "current boot image" issue.
SSH	Fixed that when access DUT by SSH, it will take long time to wait ask first page (around 6 ~ more than 10 secs) issue.
Syslog	Fixed that it can't sent out syslog, when getting time from NTP server.
IPv6 address	Fixed that the prefix will be changed to zero, if set IPv6 link-local address and global-address prefix =64 issue.
SNMPc	Fixed that SNMP will pop error message when assign management vlan issue.
NTP	Fixed that the daylight saving time of NTP does not work fine issue.
RSTP	Fixed that the "RSTP Port Status" table (SNMP/WEB/CLI) is not 14 LLAG group issue.
Console	Fixed that the value of typing “no management console block-time” is not the same with CTS default value issue.
Ping	Fixed that when using ping function, sometime press CTRL+C cannot success to stop ping, need wait all counts finish.
Ping	Fixed that the ping function can't work fine.
Traceroute	Fixed that the traceroute option command can't work fine.
ACL	Modified the ACL command description.
Auto Backup	Fixed that it will send the wrong syslog after auto backup be success issue.
Auto Backup	Modified that the CLI command "show archive auto-backup" should be able to show the "backup state" field and the "File Name" field.
CLI	Fixed that the session will be disconnected when typing “show mac address-table interface” without any port number.
VLAN mapping	Fixed that the interface of vlan mapping rule is wrong when show running-config issue.

Firmware Version 1.00.0I

Date: 2017/11/28

New Feature / System Release	Description
N/A	N/A
Update	Description
System	Fixed that the traffic can't pass through the DUT after reboot.

Firmware Version 1.00.0H

Date: 2017/11/15

New Feature / System Release	Description
Console	Added more security for console port to avoid crack attack.
Update	Description
PoE	Fixed that the default value of PoE port setting should be enabled instead of disable.

Firmware Version 1.00.0G

Date: 2017/11/13

New Feature / System Release	Description
Syslog	Modify the syslog and SNMP trap message format.
Update	Description
IP address	Fixed that setup IPv6 static ip fail issue when IPv6 DHCP mode change to static mode.
SNMP	Fixed that if SNMP polling time set 2secs, sometime can't get value and get burst value (max 100mbps, but can get 288mbps), it can't get real time.
SSH	Fixed that Telnet maximum sessions don't match SSH issue.
CLI	Fixed that interface level's security command is disappear issue.

Firmware Version 1.00.0F

Date: 2017/10/23

New Feature / System Release	Description
CLI	Added that hidden command to show POE driver version.
Update	Description
Ping	Fixed that device take long time to get response message issue.
Ping	Fixed that Cannot ping from switch to itself, it will be failed issue.



Auto Backup	Fixed that "Auto-Backup Configuration" web page is not working fine issue.
Tacacs	Fixed that the Tacacs configuration can only be modified by SNMP for no more than one row each time issue.
VLAN	Fixed that the VLAN ID of a trunk VLAN can't be changed in the "trunk VLAN table" web page issue.
WEB	Changed the "VLAN table" in the menu tree of the web UI to "trunk VLAN table"
VLAN	Fixed that when edit the VID and the name of a trunk VLAN in the trunk table from SNMP. And a new VLAN with the old name will be created
IGMP	Fixed that IGMP client port with LACP or port trunking will cause IGMP stream cannot forward to client port.

Firmware Version 1.00.0E

Date: 2017/09/28

New Feature / System Release	Description
N/A	N/A
Update	Description
VLAN	Fixed that after configure static mac, VLAN Interface/Mgmt VLAN cannot configure success anymore issue.
PoE	Modified that the related behavior of the PoE with high priority issue.

Firmware Version 1.00.0D

Date: 2017/09/26

New Feature / System Release	Description
N/A	N/A
Update	Description
VLAN	Modified that "Trunk VLAN table" change name to "VLAN Table".
MAC	Fixed that the size of static MAC address issue.



Firmware Version 1.00.0C

Date: 2017/09/14

New Feature / System Release	Description
N/A	N/A
Update	Description
CLI	Fixed that when to keyin "no mirror destination", after enter will auto logout issue.
System	Fixed that the backup configure file has some command that device not support issue.

Firmware Version 1.00.0B

Date: 2017/09/12

New Feature / System Release	Description
N/A	N/A
Update	Description
CLI	Fixed that the CLI not support VLAN Dot1q-Tunnel command, but WEB/SNMP have and the feature is working fine.
QoS	Fixed that QoS 802.1P remarking not work issue.

Firmware Version 1.00.0A

Date: 2017/09/08

New Feature / System Release	Description
SNMP	Added that when MAC limit and Storm control over threshold then send SNMP trap and syslog.
System	Added the Auto-Backup function.
Update	Description
IP address configuration	Fixed that the address setting can't use the ending with .255.
QoS	Fixed that it will not work if the packets enter the device from trunk ports.

Firmware Version 1.00.09

Date: 2017/08/11

New Feature / System Release	Description
System	Add reset to ROM-D (customer default config) and modify reset button mode and status led light.
Update	Description
SNMP	Fixed that Power down trap with IPv6 package format of "type" and "length" value are wrong.
SSH	Fixed that it can't login via ssh when close the 4 ssh connection issue.

Firmware Version 1.00.08

Date: 2017/07/17

New Feature / System Release	Description
Syslog Configuration	Add new feature / User log function. (Enable/Disable record user keying CLI commands) CLI commands: syslog logging-type terminal-history. no syslog logging-type terminal-history.
System Service	SNMP trap & syslog can support CPU load.
Syslog	Support more detail only on syslog such as STP/LACP status change.
Port Counter	Port counter allow to clear per port counter.
System	Added that the time out can support the range from 1 to 1440 and the time (sec, minute) for console, SSH, Telnet.
Update	Description
WEB UI	Modified that UI remove QinQ page and commands but support Dot1q vlan tunnel function.
TimeZone	Modified that the time zone replaces GMT with UTC
WEB	Modify all UI about MD5 hashed password title/command/description.
CLI	Fixed that when enter "show switch-info cpu-mem-statistics" display wrong title with "Statistics".
Static MAC Table	Fixed that if set Broadcast MAC address then will pop wrong word "Broadcast" issue.



Load Factory Settings	Fixed that when execute “Load Factory Settings Except Network Configuration” will resend dhcpv6 Solicit packet.
DHCP Snooping	Fixed that DHCP packet can't forwarding when enabled DHCP snooping.
SNMP	Fixed that if port is link down but use SNMP to show port status also have speed value, after modified it is display zero now.
LLDP	Fixed that when enable lldp port config before lldp initial delay complete, should not cause first lldp packet sent out after 2 min ; LLDP packet will send out in 5 secs now.
User Authentication	Fixed that user can to see the other user’s password in “User Authentication” in html.
DHCP	Fixed that when receive double tag DHCP packet from Server Trust port(snooping enable/QinQ disable) then DHCP Snooping program will be die.
QinQ Vlan Configuration	Fixed the wrong behavior with error when ether type is 0X8100
DHCP snooping	Fixed that it will crash when it receives a DHCP offer with a 9100 single vlan tag.
DHCP snooping	Fixed that it will crash when enabled DHCP snooping and server trust port receiving DHCPv6 packet with empty value.
SSH	Fixed that when using Putty or SecureCRT to access device via SSH in the first time will see "login as" then change to "Username" issue.
SSH	Modified that the user login count limitation to 3.
SSH	Fixed that it can't work fine issue.
DHCPv6	Fixed that when client port receives DHCPv6 confirm packet, it always will not forward to server trust port.
DHCPv6	Fixed that DHCPv6 renew packet will not forward to server port, or reply packet will not forward to client port.
CLI	Fixed that it can't show the match commend via “tab” button issue.

Firmware Version 1.00.07

Date: 2016/09/26

New Feature / System Release	Description
N/A	N/A
Update	Description
WEB UI	Fixed that the top save button issue.

Firmware Version 1.00.06

Date: 2016/09/20

New Feature / System Release	Description
PPPoE	Added that PPPoE server trust ports.
WEB UI	Added that "save" and "refresh" button on top right side.
Update	Description
PoE	Fixed that PoE voltage display incorrect.
DHCP Snooping	Modify Security Configuration – “Filter configuration” - as this is DHCP snooping it should be called “DHCP snooping”
System Service	Modified the SSH function in Telnet service menu independently.
Syslog	Modify “Mal-attempt Log configuration” change name to “Syslog Configuration”
SNMP	Fixed that the MAC table got by SNMP will display wrong value in first index at the first time.
DHCP	Fixed that DHCP Program will not start if reboot DUT many times.

Firmware Version 1.00.05

Date: 2016/07/29

New Feature / System Release	Description
N/A	N/A
Update	Description
DHCP	Fixed that device will send 2 different DHCP sessions which are different Host name after restore configure.

Firmware Version 1.00.04

Date: 2016/07/27

New Feature / System Release	Description
CLI	Added new commands for show show running-config 、 show default-config 、 show start-up-config can specify length



MAC	Added show MAC table with sorting and counting functions
System	If firmware upgrade fail (kernel partition damage) then check that image version number on UI after DUT bootup in another image, it should be null
Update	Description
IGMP	Fixed WEB UI IGMP snooping configuration page "IGMP/MLD snooping v3" to "IGMPv3 / MLD v2 snooping"
RSTP	Modified RSTP default value configuration
UI	Modified UI show switch information about firmware version title
CLI	Fixed CLI support show port description but WEB UI "port status" page not show port description.
Console	Fixed that after enable IP source binding then we cannot access DUT from front console port
Syslog	Fixed DUT can't send syslog packet

Firmware Version 1.00.03

Date: 2016/06/13

New Feature / System Release	Description
System	Auto-reboot system in case of out of memory suddenly
Update	Description
CLI	Added acl command "action permit"
CLI	Added that set option 82 formatted commands is "ip dhcp snooping remote formatted" instead of "ip dhcp snooping formatted"
loop-detection	Fixed that when enable loop-detection and detect port, and then backup configure, the configure file loop-detection function was disable
Running-config	When do "show running-config" or "backup config", title of FW version always display image-1 version, even current FW is image-2.
CLI	Fixed that remove "quit" command and can't set command "acl ingress-port any" successfully

Firmware Version 1.00.02

Date: 2016/03/22

New Feature / System Release	Description
N/A	N/A



Update	Description
WEB	Fixed that when WEB wait for a long time then can't use WEB to access DUT.

Firmware Version 1.00.01

Date: 2016/03/18

New Feature / System Release	Description
CLI	Added commads about VLAN QinQ
Update	Description
CLI	Modified show LLDP information title
RSTP	Fixed tat UI RSTP received number of show RSTP statistics page in STP received
FTP	Fixed that UI use FTP to do firmware upgrade but only input user name without input password then upgrade will fail.