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## Firmware Version 1.00.13

Date: 2025/05/23

New Feature / System Release	Description
N/A	N/A
Update	Description
MAC Limit	The restore message should be of "inform" level, but it is currently shown as "warning" level.
MAC Limit	When the MAC limit status changes from "high" to "max", the system sends a message even if the "continuous alarm" function is disabled.
MAC Limit	When changing the MAC limit maximum value, the system sends a restore message. However, it should first trigger a "high" or "max" alarm message.
Restore Configuration	Performing a backup and restore of the configuration may cause the device to become unresponsive or lose control.

## Firmware Version 1.00.12

Date: 2025/05/09

New Feature / System Release	Description
SSH	Update the Dropbear version to 2022.
System	Speed up for restore device configuration.
Update	Description
CPU Loading	Fix incorrect phenomenon "The average of CPU loading will exceed 100%".
DHCP Client	The process "udhcpd" experienced a memory leak due to not releasing memory allocated for environment variables, leading to a crash caused by an overflow while reading the packet option length.
IP Setup / IPv6	After setting the ipv6 auto configuration setting, enable to disable and the link local address is not connected after the machine is reboot.

## Firmware Version 1.00.11

Date: 2024/03/27

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

Update	Description
Backup Configuration	Configure setting and backup configure file not match.

## Firmware Version 1.00.10

Date: 2023/12/15

New Feature / System Release	Description
N/A	N/A
Update	Description
Port Statistics Alarm	Can't select "Rx Dropped Frames" for setting.
Port Statistics Alarm / WEB	If the settings not do any change and press OK button, system will pap warning and can't setup.
Memory Statistics / SNMP	When setting time schedule, two groups and profiles can't set the same o'clock and enable.
Memory Statistics	If system free memory less than 15%, can't execute auto-provision feature.
802.1X	DUT can't complete authentication process with TLS mechanism.

## Firmware Version 1.00.0Z

Date: 2023/11/20

New Feature / System Release	Description
CPU Loading	<ol style="list-style-type: none"> <li>1. Modify title name from "CPU &amp; Memory Statistics" to "CPU Loading".</li> <li>2. Modify calculation method of alarm notification – Judgement CPU loading usage (%).</li> <li>3. Support statistics – 1/24/72 hour averages (%).</li> </ol>
Memory Statistics	<ol style="list-style-type: none"> <li>1. Move to different page (System Memory) for display.</li> <li>2. Remove display "Buffers" and "Cached".</li> </ol>
Port Link Flap	Support new feature "Port Link Flap".
Port Statistics Alarm	Support new feature "Port Statistics Alarm".
Update	Description
DHCP Snooping	Unexpected DHCP packet with wrong format will crash DHCP process.

## Firmware Version 1.00.0Y

Date: 2022/12/02

New Feature / System Release	Description
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N/A	N/A
Update	Description
CLI	Fixed “\r\n” issue for specific tool login device. (Perl / Net::Telnet)
User Authentication / CLI	When multiple user login device at the same time, then will cause user privilege wrong.

## Firmware Version 1.00.0X

Date: 2022/09/28

New Feature / System Release	Description
CLI	Support terminal length on show status and configure.
Update	Description
N/A	N/A

## Firmware Version 1.00.0W

Date: 2022/09/26

New Feature / System Release	Description
Management Authentication	Support modify order of Authentication method.
Update	Description
User Privilege	Modify user account level "Read-Only" of CLI, it cannot enter to configure layer.
LACP	Fixed that under LACP active mode, system will send LACP packet more accurate (Standard define of interval is 1 sec / Original is 1.02 sec)
SNMP	SNMP MIB file of CPU memory and statistics item name does not match Web page and CLI. Note: "swhCPUAndMemoryStatistics" instead of "swhStatistic".

## Firmware Version 1.00.0V

Date: 2022/05/24

New Feature / System Release	Description
N/A	N/A
Update	Description
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!
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## Firmware Version 1.00.0U

Date: 2022/03/04

New Feature / System Release	Description
N/A	N/A
Update	Description
System Information	Web "System Information" page press OK button will pop up prompt message.

## Firmware Version 1.00.0T

Date: 2022/03/02

New Feature / System Release	Description
System Information	System "Hostname" support can input 64 character.
SNMP	Support standard MIB "ifspeed" & "ifhighspeed"
Update	Description
N/A	N/A

## Firmware Version 1.00.0S

Date: 2021/06/23

New Feature / System Release	Description
N/A	N/A
Update	Description
MAC Address Table	Fixed that MAC address table show nothing even total number have value.
Port Status / SFP Information	Fixed that when connected multi-mode 1G SFP then will show incorrect distance 2km.

## Firmware Version 1.00.0R

Date: 2021/06/18

New Feature / System Release	Description
SNMP / Authentication	Support SNMPv3 AES encryption.



System / Restore Configuration	Speed up restore configuration with multiple VLAN entries.
<a href="#">Update</a>	<a href="#">Description</a>
IGMP Snooping / CLI	Fixed that when input "no ip igmp snooping query-interval", the value should be change to default 125 instead of 100.

## Firmware Version 1.00.0Q

Date: 2020/08/17

<a href="#">New Feature / System Release</a>	<a href="#">Description</a>
RSTP	Modify default value and config rules of global settings: < Original > 1. RSTP default parameter: Max Age = 6, Hello Time = 1, Forward Delay = 4. Max Age Range is 6-200. 2. Without config rule. < New > 1. RSTP default parameter: Max Age = 20, Hello Time = 2, Forward Delay = 15. Max Age Range is 6-40. 2. New config rule: $2 * (\text{Forward\_Delay} - 1.0 \text{ seconds}) \geq \text{Max\_Age}$ $\text{Max\_Age} \geq 2 * (\text{Hello\_Time} + 1.0 \text{ seconds})$
Threshold of Memory	Support Threshold of Memory, when less than threshold will send alarm or reboot device.
<a href="#">Update</a>	<a href="#">Description</a>
System / Memory	Fixed that when the interface link down then link up, it will make internal system wrong and cause memory leak.
Restore Configuration	Fixed that when do restore config file without "#" in line 1 first character should be return error.
Switch Management / IGMP Snooping / IGMP Configure	Fixed that default "Query interval" is 125, but when CLI input "no ip igmp snooping query-interval" then the value will change to 100, should be 125.

## Firmware Version 1.00.0P

Date: 2019/08/29

New Feature / System Release	Description
N/A	N/A
Update	Description
Storm Control	Fixed that when port 9 and 10 trigger storm control and locked, then press "unlock" button and to check "Storm Control Status" page again, then will display wrong.
Storm Control	Fixed that cannot block the port when port keep received storm.
Storm Control	Fixed that when port 9 and 10 already trigger storm control and locked, then if have other port also trigger storm control and locked, port 9 and 10 will be un-lock at this same time.
Storm Control	Fixed that when setting "Port Configuration" of other port, locked port will be unlock (the locked port should be keep lock).
Combo Port	Fixed that when port 9 and 10 link up with copper type (mode is fiber priority), but port status page display wrong (disable/down).

## Firmware Version 1.00.0O

Date: 2019/08/23

New Feature / System Release	Description
N/A	N/A
Update	Description
Combo Port	Fixed that when only connected copper port, and do change combo mode from "copper-only" to "fiber-priority", it will cause copper port cannot link up.
Storm Control	Fixed that when port 9 and 10 trigger shutdown threshold of storm control, the ports should be locked, but port 9 still display unlock.
Combo Port / Storm Control	Fixed that when port 9 and 10 set copper priority and fiber port link up, after the ports trigger the storm control and shutdown, but still cannot unlock.

## Firmware Version 1.00.0N

Date: 2019/08/05





New Feature / System Release	Description
Combo Port / Auto-media Detect	The port 9 and port 10 support auto-media detect feature.
Update	Description
Warm Reload	Fixed that warm reload(up-time)'s "Remaining Up-Time" display wrong.
Storm Control	Fixed that when set storm control main switch to "disabled", but storm control still can work.
Storm Control	Fixed that after the storm control is triggered to cause shutdown and change the action from shutdown to drop, the status will not show lock.
Port Link Flap Log	Fixed that port link flap log display wrong, by default boot-up device, each port first log should display "fiber is disconnected", but all display "Copper is disconnected".
Storm Control	Fixed that after enabling Storm Control via Web interface, the [ALL] port's buttons are not in effect.
Warm Reload / IPv6	Fixed that when IPv6 address(MGMT) not enabled, use SNMP ping IPv6 address still can execute warm reload, should cannot.
Power Down Trap / SNMP	Fixed that SNMP time stamp of Power Down Trap.

## Firmware Version 1.00.0M

Date: 2019/07/05

New Feature / System Release	Description
Port Link Flap	Support Port Link Flap function.
Storm Control	1. Support per port to setting. 2. Add action(drop/shutdown) for per port.
SFP Threshold	To support low and high threshold of SFP DMI and related alarm message.
Syslog message	When user reboot, login and logout will take user IP address and user account for record.
System	To support CPU Loading. (Usage %).
CLI	SSH and Telnet can use at the same time. (each Maximum session is 5)
Warm Reload	Support Warm Reload feature. Condition: 1. Up Time 2. Ping
Update	Description



System	Fixed that Kernel Panic (reboot/hang) issue.
Switch Port Status	Fixed that when set port 9 or port 10 to copper port and link up, the status of port 9 or port 10 still display empty.

## Firmware Version 1.00.0L

Date: 2019/05/08

New Feature / System Release	Description
N/A	N/A
Update	Description
System / Memory	Fixed that when change any configuration, it will occupy flash more and more then cause system reboot.

## Firmware Version 1.00.0K

Date: 2019/05/02

New Feature / System Release	Description
N/A	N/A
Update	Description
System / Memory	Fixed that when change any configuration, it will occupy flash more and more then cause system reboot.

## Firmware Version 1.00.0J

Date: 2019/04/30

New Feature / System Release	Description
N/A	N/A
Update	Description
System	Fixed that when working around 36~40 hrs will cause out of memory then auto reboot.
Network Configuration / DHCP	Fixed that when device will send incorrect management IP address if DUT in DHCP mode.
Network Configuration / DNS	Modify when only input DNS2 IP address, this IP address also will display in DNS2 Current State field.
Network Configuration / DNS	Fixed that CLI doesn't show DNS automatically mode on current state.



Trap Destination / SNMP	Fixed that when setting trap destination on server 3 field via SNMP, but the result still will show on server 1 field.
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## Firmware Version 1.00.0I

Date: 2019/02/21

New Feature / System Release	Description
N/A	N/A
Update	Description
Firmware Copy	Fixed that WEB page firmware copy display status string always show "Current image-1 copy to backup image-2" issue.
SNMP	Fixed that using SNMP tool to setting trap destination, after press OK, it will causes community default value from blank change to non.

## Firmware Version 1.00.0H

Date: 2019/02/20

New Feature / System Release	Description
DNS configuration	Added that DNS related configuration (syslog, ntp, trap).
Update	Description
N/A	N/A

## Firmware Version 1.00.0G

Date: 2019/02/19

New Feature / System Release	Description
Firmware Copy	Added to support that it can copy current running image to backup image".
DNS	Added to support that DNS Server defines.
HTTPs	Support Https service.
Update	Description
HTTPs	Fixed that https service can't work fine.
IP address	Fixed that device will send incorrect management IP address if DUT in DHCP mode.

## Firmware Version 1.00.0F

Date: 2019/01/29

New Feature / System Release	Description
HTTPs	Support Https service.
Update	Description
VLAN translation	Fixed that VLAN translation can't work when DHCP snooping enable with DHCP mode.
Port Traffic Statistics	Fixed that Port Traffic Statistics, Packet Error Statistics and Packet Analysis Statistics can't display Event Counter for combo port(copper).
SFP	Fixed that the SFP information will wrong issue.

## Firmware Version 1.00.0E

Date: 2019/01/10

New Feature / System Release	Description
N/A	N/A
Update	Description
Syslog	Fixed that when warm reboot DUT with DHCP mode, it won't send "The system is going down NOW!" as syslog message.

## Firmware Version 1.00.0D

Date: 2019/01/09

New Feature / System Release	Description
Syslog	Added that when warm reboot DUT from all UIs, it will send "The system is going down NOW!" as syslog message.
Update	Description
N/A	N/A

## Firmware Version 1.00.0C

Date: 2019/01/04

New Feature / System Release	Description
SNMP	Added that power up trap in SNMP.



Update	Description
LLDP	Fixed that LLDP function can't work fine issue.
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.
Telnet	Fixed that SSH and Telnet can't work fine issue.
Backup Configuration	Fixed the issue for backup config file of ipv6 global address does not match restore config file.

## Firmware Version 1.00.0B

Date: 2018/10/09

New Feature / System Release	Description
N/A	N/A
Update	Description
Fast Redundancy	Fixed that description of Fast Redundancy is different between CLI and WEB.

## Firmware Version 1.00.0A

Date: 2018/08/29

New Feature / System Release	Description
N/A	N/A
Update	Description
SNMP / Fast Redundancy	Fixed that when use SNMP to setting fast redundancy of fast ring v2 and chain, but result is not match the pop up's message.
Fast Redundancy / Status	Fixed that WEB page fast redundancy status does not match DUT current real status.

## Firmware Version 1.00.09

Date: 2018/08/24

New Feature / System Release	Description
Fast Redundancy / Fast Ring	Added Fast Ring v2 feature.



v2	
Fast Redundancy / Chain	Added Chain feature.
Update	Description
CPU Temperature Status / Notification	Modify default High Temperature threshold value to 50.
CLI / reload image	Fixed that when enter more times "reload image" by CLI, the CLI session will cut.

## Firmware Version 1.00.08

Date: 2018/06/20

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.
L2PT	Fixed that L2PT port can converter packet to designate MAC, but when other ports receive designate MAC will not converter to original packet.
VLAN	Fixed that after configuring VLAN settings and checking the VLAN table in CLI, the link to CLI will be cut off.

## Firmware Version 1.00.07

Date: 2018/05/23

New Feature / System Release	Description
L2PT	Added L2PT feature.
Update	Description
VLAN Translation	Modify SNMP parameter name from “Translated VID” to “Mapped VID”.
System	Fixed that boot-up stage initial setting will not complete.
CLI / show running-config	Fixed that display info error.
IGMP / IPMC Segment	Fixed that after input the rule but result not match.

## Firmware Version 1.00.06

Date: 2018/04/27



New Feature / System Release	Description
DHCP IP address	Added DHCP auto recycle feature.
Show running configure	Support can search with a specific word.
VLAN Translation	VLAN translation support remarking P-Bit value (two way).
Update	Description
VLAN Translation	Modify command from “translated-vid” to “mapped-vid”.
IGMP / IPMC Segment	Fixed that after input the ip range but result not match.
IGMP / IPMC Segment	Fixed that error message display wrong.
RSTP	Fixed that when RSTP topology change will random cause RSTP process crash.
Switch Configuration	Fixed that cannot input CLI command "no switch statistics polling port" success.
MAC address table	Fixed that when use CLI to show mac address table but total is not correctly.
MAC address table	Fixed that when use CLI to show mac address table by port but the last one mac address will duplicated.
MAC address table	Fixed that when use CLI to show mac address table but result is not match WEB page.
IGMP Snooping	Modify that “Query interval” should be bigger than “Query Response interval”.
IGMP / IPMC Segment	Fixed that backup configure will get incorrect value.
VLAN Translation	Fixed that when WEB page VLAN translation rule name if key in maximum 32 characters will cause the priority field disappear.
CLI / Reload	Fixed that when issuing an invalid CLI input beginning with "reload" such as "reload aaa" DUT still will execute reboot.
VLAN Translation	Fixed that set a VLAN translation rule then response result is not correctly.
802.1X	Fixed that CLI and outbound console 802.1X port configuration information display not match WEB page.
Flow Control	Fixed that when fiber port send packets to copper port flow control not work.
Alarm	Fixed that Storm Control and MAC Limiter Trap do not follow Threshold Interval setting.

## Firmware Version 1.00.05

Date: 2018/03/21



New Feature / System Release	Description
Alarm	Support MAC-Limiter and Storm Control Trap.
VLAN Translation	Added VLAN translation.
Update	Description
Threshold Interval	Fixed that can input invalid setting (not number), should cannot.
Port Mirror	Fixed that when use SNMP to setting mirror target port and then use CLI to check result is not correctly.
Event log	Fixed that WEB page and SNMP event log, console port(rs232) IP address is not correctly.
Ping	Fixed that DUT ping function data size over 20000 will cause packet lost.
Firmware Upgrade	Fixed that when update firmware in web and after boot-up, upgrade image option default should be another Image.

## Firmware Version 1.00.04

Date: 2018/02/13

New Feature / System Release	Description
N/A	N/A
Update	Description
CPU Temperature	Fixed that on system information page on WEB, CPU temperature is not matched with current status issue.
CPU Temperature	Fixed that when “Read and Write operation level” cannot setting CPU temperature status.
CPU Temperature	Fixed that on CPU temperature web page, the status stop auto update, button can’t work.

## Firmware Version 1.00.03

Date: 2018/02/09

New Feature / System Release	Description
N/A	N/A
Update	Description
IGMP / IPMC Segment	Fixed that error message display wrong.



## Firmware Version 1.00.02

Date: 2018/02/06

New Feature / System Release	Description
CPU Temperature	Support CPU temperature SNMP trap configure.
CPU Temperature	Support CPU temperature monitor.
Update	Description
Network IP	Fixed that when IP address change will automatically change URL, but sometimes occur web page shown disconnect.
System	Fixed that when change the web page from "Port Packet Error Statistics" to "Port Packet Analysis Statistics" to cause hang in the updating page.
CLI / CPU Temperature	Added CPU Temperature on "show switch-info".

## Firmware Version 1.00.01

Date: 2018/01/19

New Feature / System Release	Description
System	Added that it can't set any IP address ending with .255 issue.
WEB	Added that it will automatically change to login page when logout succeeded.
WEB	Added that when ip changing, it will automatically change url
Auto Backup	Added that the Auto-backup state.
Update	Description
SNMP	Fixed that STG SNMP-polling the traffic octets with >5% error issue.
SNMP	Fixed that when use snmpc to assign management vlan, snmpc will pop unsuccessful issue.
SSH	Fixed that it can't work fine issue.
Auto Backup	Fixed that it can't work fine issue.
VLAN	Fixed that when adding new VLAN name, it can be the same VLAN name as other VLAN.
Syslog	Fixed that when auto backup successfully, syslog sent the wrong message.
WEB	Modified that VLAN config/table and behavior.
VLAN	Fixed that when changing config about VLAN interface from web UI, but DUT don't pop message "Settings changed, still not saved."



Ping	Fixed that when using ping function, sometime press CTRL+C cannot success to stop ping, need wait all counts finish.
Ping	Fixed that ping function can't be work fine.
DHCP snooping	Fixed that DHCP snooping only works on the management VLAN issue.
VLAN	Fixed that when user want deleted trunk-vlan, that vid is other port pvid, can't delete.
CLI	Fixed that the hint error issue in CLI for syslog.
WEB	Fixed that it can't clear on "Port Traffic Analysis" of WEB page.
DHCP	Modified that CLI should allow users to remove one port from the DHCP trust ports.
Trap	Fixed that the Console Port Link Up/Down Trap can't work issue, and when reboot DUT up will always send out link up trap, even actual no link up.
Syslog	Fixed that when DUT get time from ntp server, it can't sent out the message as syslog.
VLAN	Fixed that default trunk ( VID =1 ) will be replace issue, when adding a new trunk group VID=1.
Port Link	Fixed that when changing port type from Auto→Manual_100→Auto will cause port link down.
CLI	Fixed that qos rate limit name of CLI does not match WEB UI.
Event Log	Fixed that when checking Event log in CLI, the column for "Time" is incorrectly entitled as "UP time" if DUT synchronizes time with the NTP server.
DHCP Snooping / Option82	CLI set option 82 formatted commands is "ip dhcp snooping remote formatted" instead of "ip dhcp snooping formatted".
LACP	Fixed that it can't work fine issue.

## Firmware Version 1.00.00

Date: 2017/11/27

New Feature / System Release	Description
N/A	N/A
Update	Description
System	The Official Version.