

Model Name	FOS-ESW-EPS-5112	Version	1.00.0M	Designer	Approval
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Part Number	N/A	Unit	N/A		
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Firmware Version 1.00.0M

Date: 2024/02/22

New Feature / System Release	Description
System	Model "ESW-5128" support new phy chipset.
Update	Description
PoE / SNMP	When PSE port detect connected port state is "Short", "OVLO", "UVLO", "Thermal Shutdown", "Request Power", and "Inrush", the parameter "pethPsePortDetectionStatus" will display wrong.
RSTP	Parameter "spanning-tree aggregated-port priority" set "240" then backup configure file, this configure value will not match from configure file.
DHCP Snooping	DHCP Opt82 Relay Agent set "Disabled" then backup configure file, this configure value will not match from configure file.

Firmware Version 1.00.0L

Date: 2024/01/25

New Feature / System Release	Description
System	Support new hardware model "EPS-5112".
Update	Description
N/A	N/A

Firmware Version 1.00.0K

Date: 2024/01/24

New Feature / System Release	Description
N/A	N/A
Update	Description
N/A	Internal use.

Firmware Version 1.00.0J

Date: 2024/01/23

New Feature / System Release	Description
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N/A	N/A
Update	Description
N/A	Internal use.

Firmware Version 1.00.0I

Date: 2024/01/18

New Feature / System Release	Description
N/A	N/A
Update	Description
System / CLI	During FW Copy CLI session will follow timeout setting.

Firmware Version 1.00.0H

Date: 2024/01/12

New Feature / System Release	Description
N/A	N/A
Update	Description
RSTP / CLI	Change input method, from option code to real value. [Old] FOS-5112(config)# spanning-tree aggregated-port priority [0-15] <cr> [New] FOS-5112(config)# spanning-tree aggregated-port priority [0-240] <cr>
Firmware Copy	Execute FW Copy actually need 360 secs, modify prompt waiting time to 360 secs.

Firmware Version 1.00.0G

Date: 2023/12/25

New Feature / System Release	Description
N/A	N/A.
Update	Description
N/A	Internal use.

Firmware Version 1.00.0F

Date: 2023/12/22

New Feature / System Release	Description
N/A	N/A
Update	Description
Selective QinQ	Selective QinQ won't take effect when packet processed by a port which is a member of aggregated group.

Firmware Version 1.00.0E

Date: 2023/12/04

New Feature / System Release	Description
System	Support FAN.
CPU Loading	<ol style="list-style-type: none"> 1. Modify title name from "CPU & Memory Statistics" to "CPU Loading". 2. Modify calculation method of alarm notification – Judgement CPU loading usage (%). 3. Support statistics – 1/24/72 hour averages (%).
Memory Statistics	<ol style="list-style-type: none"> 1. Move to different page (System Memory) for display. 2. Remove display "Buffers" and "Cached".
Management / Firmware Copy	Support that FW Image can "Copy current running image to backup image".
Update	Description
Link Aggregation	When source port is a member of aggregated group, processed packets will be transmitted back to ports in the same group.
DHCP Auto-Provision	Support judgement dhcpv6 packet include single or multiple option 17.
DHCP Snooping	Unexpected DHCP packet with wrong format will crash DHCP process.
802.1X	DUT can't complete authentication process with TLS mechanism.
DHCP Snooping / SNMP	SNMP doesn't have DHCP entry clear related MIB.

Firmware Version 1.00.0D

Date: 2023/07/25

New Feature / System Release	Description
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N/A	N/A
Update	Description
MLD Snooping	MLDv2 report, type 0x8F, can't be trapped from VLAN different from management.
Debugging / MLD	MLD Debugging doesn't display message for querier timeout and state idle to active.
Debugging / MLD	MLD Debugging displays wrong message after sending a done packet to a port which is not existing in target group.
Debugging / MLD	MLD Debugging displays wrong received general/specific query max response time.
MLD Snooping	MLD group table can't display all 128 entries, only 78 entries displayed via WEB.
MLD Snooping	MLD will remove all members if one of them received done packet.
DHCP Snooping / CLI	CLI DHCP related "clear" command doesn't match WEB behavior that supports entries clearing.
WEB	Add entry via web UI, when text content input "< [a-z A-Z]" will cause not display behind symbol "<" in table.

Firmware Version 1.00.0C

Date: 2023/07/14

New Feature / System Release	Description
CLI	Supports tab autocomplete.
CLI	Supports clear command. Example: FOS-5112# clear ...
CLI	Supports enter "q" for exit.
CLI	Supports enter "end" for back to privileged mode.
MLD Snooping	MLD supports last reporter and client life time.
Debugging	Support MLD Snooping debugging function.
Update	Description
RSTP	Modify option naming of parameter "Force Version". [Old] compatible → [New] stp-compatible
RSTP	Modify priority command to use real value (e.g. 0, 4096, 8192, ..., 61440) instead of number 0-15.

802.1X	Radius secret should be shown as ***.
IGMP Snooping	Message is incorrect after port receiving an IGMP leave packet with unregistered group which is existing in DUT but not port.

Firmware Version 1.00.0B

Date: 2023/07/05

New Feature / System Release	Description
Debugging	Support IGMP Snooping debugging function.
Update	Description
N/A	N/A

Firmware Version 1.00.0A

Date: 2023/06/20

New Feature / System Release	Description
Port Counter	Support counters "Rx Oversize", "Rx Unicast" and "Tx Unicast".
Update	Description
802.1X / MAB	User name and password shouldn't be forward to server with EAP message during MAB authentication process.
Storm Control	Unknown multicast won't take effect.
System / CLI	When polled using SSH (TCP connection, login, and logout) the switch will stop responding to login requests after a couple of days.
System / SSH	Continuous login device via SSH, it will random cause SSH crash and cannot use anymore.
LACP	LACP packet carries actor system priority 0 which does not match expected default value 32768.
DHCP Snooping / CLI	The CLI command set "ip dhcp snooping dhcp-server-ip 1-3 repeat ip-address" no warning message for ipv6.

Firmware Version 1.00.09

Date: 2023/04/21

New Feature / System Release	Description
N/A	N/A
Update	Description
ACL / Rate Limiter	Extended ACL rate limiter range to 10485600 (10Gbps).



802.1X	When the port is authorized and assigned VLAN, it still cannot forward traffic out.
802.1X	Fix a buffer overflow issue in dot1x.
CLI	When enter command "ip dhcp snooping dhcp-server-ip 3 ip-address 1:F::FF" via CLI, it entered normally, but by web method not entered.

Firmware Version 1.00.08

Date: 2023/03/30

New Feature / System Release	Description
N/A	N/A
Update	Description
CLI	When CLI setting interface 1-8 port speed 2.5G and 5G, device has pass but device not support speed 2.5G and 5G.
Port Configuration / Flow Control	Modify DUT port 9-10 flow control default value to disable.
Cable Diagnosis	When test cable diagnosis 10G port, the test result of speed will show "-----".
SNMP	Port 9 and port 10 can be set speed to 10m and 100m successful, should be cannot.
SNMP	Add port MAC address item on "swPortStatus".
Fast Redundancy	Set fast redundancy via web UI, when delete entry will pop warning message, but has several redundancy characters behind.
Fast Redundancy	Set fast redundancy via web UI, when add entry 2 should check redundancy port don't duplicate of entry 1, but actually not.
System	Improve system response speed when setting web page "Port Setup".
CLI	When enter command "ip dhcp snooping dhcp-server-ip 1 ip-address [IPv6]" via CLI will find cannot set successful.
Port Setup	When port speed of drop down menu selected to 2.5G and click OK button, but port 9-10 speed still not change to 2.5G.
CLI	When enter command "show interface status 9-10" via CLI, the result is cannot display speed 2.5G and 5G.

Firmware Version 1.00.07

Date: 2023/03/07

New Feature / System Release	Description
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System	Support new hardware model "ESW-5112".
Update	Description
N/A	N/A

Firmware Version 1.00.06

Date: 2023/02/16

New Feature / System Release	Description
DHCP Tag-Alternation	Support new function "DHCP Tag-Alternation".
Update	Description
RADIUS & TACACS+ / SNMP	Reallocate Radius and TACACS+ MIB OID to network management.
Auto-Backup / SNMP	Set auto-backup setup via SNMP, FTP password can accept 32 characters, but set over 24 characters will cause cannot get value.
RADIUS & TACACS+ / SNMP	Set Radius or TACACS+ secret Key Encryption via SNMP, when set to 1(aes-128) but DUT first time get response will be 2(expect 1).

Firmware Version 1.00.05

Date: 2022/07/08

New Feature / System Release	Description
N/A	N/A
Update	Description
SNMPv3	Use WEB page modify SNMPv3 USM configuration does not clean password field and set unsuccessful.

Firmware Version 1.00.04

Date: 2022/07/08

New Feature / System Release	Description
N/A	N/A
Update	Description
CLI	Input "show ip igmp filter" and "show ip igmp filter interface x" via CLI will find the error string. 1. Filter instead of Filiter 2. Profile instead of Prifole

Firmware Version 1.00.03

Date: 2022/07/05

New Feature / System Release	Description
N/A	N/A
Update	Description
Port Setup / CLI	Fix interface 9-12 cannot setting auto-speed via CLI.
L2PT	DUT will not encapsulate incoming packet on VLAN tunnel port.
Backup Configure	Backup config, interface 9-12 will display "speed auto_sense" wrong string, should be "speed auto-speed".

Firmware Version 1.00.02

Date: 2022/07/01

New Feature / System Release	Description
User Authentication / AES-128 encryption	AES-128 encryption on user name/password.
User Authentication / Special characters	Input accepts special English characters except space and question mark.
Update	Description
System	Change default value of "Maximum Frame Size" to chipset maximum, FOS-5112 is 12288 Bytes.
VLAN / CLI	Do remove "Trunk VLAN group" via CLI will find only can remove VLAN ID 1-31.
CPU & Memory Statistics / SNMP	SNMP MIB file of "CPU memory and statistics" item name does not match Web page and CLI.

Firmware Version 1.00.01

Date: 2022/01/14

New Feature / System Release	Description
N/A	N/A
Update	Description
SSH / Authentication	Fixed that when establish SSH connection with Public Key, then this SSH session will hang.
Link Aggregation	Create "port trunking" or "LACP" group and sent packet to each other, then check MAC table will find the port is incorrect.



Firmware Version 1.00.00

Date: 2021/12/03

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