



Model Name	FOS-5152	Version	1.00.1H	Designer	Approval
Part Name	Firmware	Date	2023/11/30		
Part Number	N/A	Unit	N/A		
File Name	FOS-5152_Release note_1.00.1H_20231130.pdf				

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Firmware Version 1.00.1H

Date: 2023/11/30

New Feature / System Release	Description
N/A	N/A
Update	Description
DHCP Snooping / SNMP	SNMP settings parameter "DHCP Entry Clear When Port Link Down" to disable or enable, the results of value will be reversal.

Firmware Version 1.00.1G

Date: 2023/11/29

New Feature / System Release	Description
N/A	N/A
Update	Description
DHCP Snooping / SNMP	SNMP doesn't have DHCP entry clear related MIB.
DHCP Snooping	Unexpected DHCP packet with wrong format will crash DHCP process.
802.1X	DUT can't complete authentication process with TLS mechanism.

Firmware Version 1.00.1F

Date: 2023/09/22

New Feature / System Release	Description
802.1X	Support 802.1X authentication fallback VLAN feature.
Update	Description
N/A	N/A

Firmware Version 1.00.1E

Date: 2023/09/19

New Feature / System Release	Description
N/A	N/A
Update	Description
MLD Snooping	MLDv2 report, type 0x8F, can't be trapped from VLAN different from management.
Link Aggregation	When source port is a member of aggregated group, processed packets will be transmitted back to ports in the same group

Firmware Version 1.00.1D

Date: 2023/08/22

New Feature / System Release	Description
N/A	N/A
Update	Description
DHCP Auto-Provision	Support judgement dhcpv6 packet include single or multiple option 17.

Firmware Version 1.00.1C

Date: 2023/07/27

New Feature / System Release	Description
CLI	Supports enter "q" for exit.
CLI	Supports enter "end" for back to privileged mode.
Port Setup & Status	Supports automatically updating instead of manually reloading page.
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.

Firmware Version 1.00.1B

Date: 2023/06/16

New Feature / System Release	Description
N/A	N/A
Update	Description
IGMP Snooping	Enable IGMP snooping then send stream from IGMP router port, when stream IP was 224.0.0.x, 224.0.1.x, 239.x.x.x, it will be flooding.

Firmware Version 1.00.1A

Date: 2023/06/15

New Feature / System Release	Description
N/A	N/A
Update	Description
VLAN	VLAN table will be deleted when user removes last trunk member no matter if there is access member.



Storm Control	224.0.0.x, 224.0.1.x and 239.x.x.x can't be limited by unknown multicast storm control.
Storm Control	Unknown multicast won't take effect.
802.1X / MAB	User name and password shouldn't be forward to server with EAP message during MAB authentication process.

Firmware Version 1.00.19

Date: 2023/06/13

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

Firmware Version 1.00.18

Date: 2023/06/05

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

Firmware Version 1.00.17

Date: 2023/05/31

New Feature / System Release	Description
N/A	N/A
Update	Description
IGMP Snooping	Extended IGMP/MLD channel limit to 768.
IP Source Binding / SNMP	Set IP Source binding via SNMP, if IP is fc:: or 2001:: will set unsuccessful.
RADIUS/TACACS+ / SNMP	Set RADIUS/TACACS+ secret Key Encryption via SNMP, when set to 1(aes-128) but DUT first time get response will be 2(expect 1).
SNMPv3 / SNMP	Set SNMPv3 password Encryption via SNMP, when set to 1(aes-128) but DUT first time get response will be 2(expect 1).
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.

Firmware Version 1.00.16

Date: 2023/04/26



New Feature / System Release	Description
N/A	N/A
Update	Description
ACL / Rate Limiter	Update range to 10485600 (10Gbps).
System / CLI	When polled using SSH (TCP connection, login, and logout) the switch will stop responding to login requests after a couple of days.

Firmware Version 1.00.15

Date: 2023/04/25

New Feature / System Release	Description
N/A	N/A
Update	Description
LACP	LACP packet carries actor system priority 0 which does not match expected default value 32768.

Firmware Version 1.00.14

Date: 2023/03/30

New Feature / System Release	Description
Management / Firmware Copy	Support that FW Image can "Copy current running image to backup image".
Update	Description
RADIUS/TACACS+ / SNMP	Set RADIUS/TACACS+ secret Key Encryption via SNMP, when set to 1(AES-128) but DUT first time get response will be 2(expect 1).
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.

Firmware Version 1.00.13

Date: 2023/02/07

New Feature / System Release	Description
N/A	N/A
Update	Description
CPU Loading	CPU loading syslog is display not complete.
CPU Loading	CLI show CPU loading statistics "1/24/72 Hours Averages" has incorrect value.
CPU Loading	After device reboot, when over threshold value but not send alarm message out.
CPU Loading	After restore configure, CPU loading threshold value will be change to default value.



Firmware Version 1.00.12

Date: 2023/01/10

New Feature / System Release	Description
CPU Loading	New CPU loading format and trap behavior.
Update	Description
N/A	N/A

Firmware Version 1.00.11

Date: 2023/01/09

New Feature / System Release	Description
N/A	N/A
Update	Description
Backup & Show Configuration	Show/Backup configuration will be failed if user setup interface 1-52 description or circuit-id to the same value (e.g. TEST).

Firmware Version 1.00.10

Date: 2022/12/09

New Feature / System Release	Description
CLI	Supports tab autocomplete.
CLI	Supports clear command. Example: FOS-5152# clear ...
Update	Description
Port Mirror	Packet's outer-tag (S-tag) will be removed if enable Rx mirror, setup Rx port trunk and destination port access.

Firmware Version 1.00.0Z

Date: 2022/12/02

New Feature / System Release	Description
N/A	N/A
Update	Description
RSTP	TCN packet's padding is not zero.
RSTP	When DUT receive TCN packet, should not count to illegal received.
CLI	Use 4 admin account with wrong PW and 1 Admin account login device with correct PW, but the correct one not able to login.



Firmware Version 1.00.0Y

Date: 2022/09/29

New Feature / System Release	Description
N/A	N/A
Update	Description
RADIUS & TACACS+	Reallocate Radius and TACACS+ MIB OID to network management.
User Privilege / CLI	Read only account can able in to configuration mode.

Firmware Version 1.00.0X

Date: 2022/09/25

New Feature / System Release	Description
N/A	N/A
Update	Description
CLI / Show	Alignment not match if interface details table and SFP information table show between.
Port Packet Error Statistics	Port error statistic "Rx Oversize Frames" will be incorrect while receiving packets with size over 1518 (e.g. 1519 ~ Max.).

Firmware Version 1.00.0W

Date: 2022/09/08

New Feature / System Release	Description
Port Packet Error Statistics	Add a new error counter "Total Errors(Exclude Drop)" to present total errors exclude dropped event.
Update	Description
SNMP	Public MIB "ifInErrors" should not include RxDrop event. OID = 1.3.6.1.2.1.2.2.1.14
User Privilege	Modify user account level "Read-Only" of CLI, it cannot enter to configure layer.
System / CLI	Cannot enter commands with "LF" jumpline format via SSH and Telnet.

Firmware Version 1.00.0V

Date: 2022/07/22

New Feature / System Release	Description
System / CLI	Update CLI "Tab" behavior. First click "Tab" for auto fill up the command, after fill up done then click "Tab" again for list related commands.



	<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>
Update	Description
N/A	N/A

Firmware Version 1.00.0S

Date: 2022/07/17

New Feature / System Release	Description
System / All UIs	<p>Insert content support character "Spaces".</p> <p>Example of CLI:</p> <pre>FOS(config)# switch-info system-location "123 456 789" FOS(config)# switch-info system-location "abc 123 def"</pre>
Update	Description
N/A	N/A

Firmware Version 1.00.0Q

Date: 2022/06/20

New Feature / System Release	Description
N/A	N/A
Update	Description
Port Packet Error Statistics / SNMP	MIB description for swCountersEventsRxDroppedFrames and swCountersRatesRxDroppedFrames.
Port Packet Statistics	The counters of Tx and Rx Unicast was reversed.

Firmware Version 1.00.0P

Date: 2022/06/20

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



Port Packet Statistics	Sorting counter displaying format including Web, CLI and SNMP.
CLI	Command "show interface detailed" to add Rx/Tx unicast counter information.
Port Packet Error Statistics / Rx Drop	Command "show interface detailed", Rx drop will include packet with length between 1519 and jumbo size.

Firmware Version 1.00.00

Date: 2022/05/25

New Feature / System Release	Description
N/A	N/A
Update	Description
User Account	Use CLI to add new user account default value is not the same as WEB page.
QoS Remarking	DSCP Remarking will keep previous behavior even it has been modified.
Port Setup & Status / Maximum Frame Size	Input command "no switch mtu" via CLI, will find the mtu value become to 9600, but should be 12288(default value).
Firmware Upgrade	Do upgrade firmware with time range method, then check event log via SNMP will find the event code was not define.

Firmware Version 1.00.0N

Date: 2022/05/23

New Feature / System Release	Description
Firmware Upgrade	Support new function "Upgrading firmware within specific time range". [Notice] Only support on TFTP and FTP protocol.
Port Packet Analysis Statistics	Support counter "Tx Unicast Frames" & "Rx Unicast Frames".
Update	Description
System	Change default max frame size to chipset maximum, FOS-5152 is 12288
Port Packet Analysis Statistics	Rename counter "Rx Frames 1519-Max Bytes" to "Rx Frames 1519-Max(X) Bytes". [Notice] The value of "X" depend on configured "Maximum Frame Size" value, and you can modify it on page "Port Setup & Status".
Firmware Upgrade	Device will display unreadable running configuration after upgrading from FW 1.00.02 with radius function enabled.
DHCP Tag-Alternation	"DHCP tag-alternation State" display wrong alphabet when state is "active".
System / DHCP	If device host name include special symbol, it will causing DUT cannot send out DHCP discover packets.



Firmware Version 1.00.0M

Date: 2022/03/29

New Feature / System Release	Description
DHCP Tag-Alternation	Support new function "DHCP Tag-Alternation".
Update	Description
N/A	N/A

Firmware Version 1.00.0L

Date: 2022/03/01

New Feature / System Release	Description
System Information	System "Hostname" support can input 64 character.
Update	Description
N/A	N/A

Firmware Version 1.00.0K

Date: 2022/02/22

New Feature / System Release	Description
SNMP	Support standard MIB "ifspeed" & "ifhighspeed"
Update	Description
RADIUS	DUT will display unreadable running configuration after upgrading from 1.00.02 with radius enabled.

Firmware Version 1.00.0J

Date: 2021/12/28

New Feature / System Release	Description
N/A	N/A
Update	Description
User Authentication	Use CLI to add new user account default value is not the same as WEB page.
User Authentication	User can't login DUT by assigning password with command

Firmware Version 1.00.0I

Date: 2021/10/29

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



Update	Description
CLI / MAC address table	Entering the command "show mac address-table interface X" on the command line will result in displaying endless repeated data.
Web / MVR	On MVR Port Setup / Multicast Group Setup, if the MVR VLAN entry is specified as any number under 10, the tens place will be 0, which is redundant.
CLI / User Account	In configuring User Account on CLI, default value is not consistent with that of the web UI.
Web	Typo in the prompt message "Character ? and space is no allow to input."
SNMP / User Account	In setting the User Account function, the option AES-128 of password encryption is incorrectly displayed as "2" on the SNMP tool.
CLI / User Account	Prompt message typo of the password encryption of User Account setting.
CLI / User Account	Prompt message typo of MD5 password encryption setting.
CLI / RADIUS and TACACS+	Prompt message typo of RADIUS and TACACS+ setting.
Web / User Account	On User Account setting and in the text input fields of Password and Retype Password, entering both ? and space will result in two pop-up prompt windows.
Web / User Account	On User Account setting, pasting ? and space into the text input fields of Password and Retype Password won't trigger the pop-up prompt window.
CLI / User Account	Configuring user password will cause an unexpected CLI offline.
System / All port status	<p>All ports status will display incorrectly after DUT works for some days, even though in actuality ports are all well connected and linked.</p> <p>[Notice]</p> <p>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!</p>

Firmware Version 1.00.0H

Date: 2021/10/17

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
N/A	N/A

Firmware Version 1.00.0G

Date: 2021/10/15

New Feature / System Release	Description
N/A	N/A
Update	Description
CLI / Authentication	Entering command “management authentication all/continue” on CLI for over 12 times in succession will cause a hang on both CLI and web UI.

Firmware Version 1.00.0F

Date: 2021/10/08

New Feature / System Release	Description
CLI / Port description	CLI supports new command for displaying port description.
Update	Description
Lookback test	Loopback test function removed for no copper interface on FOS-5152 model.
Web / MVR	After clicking “Add New Entry” on the web page of MVR Multicast Group Setup, the title of the collapsible section should be "Add New Multicast Group" as opposed to "Add New Port Entry".
CLI / Authentication	Entering command “management authentication all/continue” on CLI for over 12 times in succession will cause a hang on both CLI and web UI.
CLI / Web / Static Multicast Setup	DUT won't alert configuration change after the a static multicast IP entry is added for the first time.

Firmware Version 1.00.0E

Date: 2021/08/17

New Feature / System Release	Description
N/A	N/A
Update	Description
SNMP / DHCP snooping	Setting delete DHCP server IP entry via SNMP can only be successful for the first time.
CLI / MAC address table	Entering the command "show mac address-table interface X" on the command line will result in displaying endless repeated data.
CLI / terminal length	After terminal length is specified as 7 on the command line, command “show interface” fails to display accordingly.
CLI / MLD	When a timeout of a MLD group membership is reached, its VID will



	sometimes display 0 on the CLI MLD group table.
Web / MVR	After clicking “Add New Entry” on the web page of MVR Multicast Group Setup, the title of the collapsible section should be "Add New Multicast Group" as opposed to "Add New Port Entry".
Web / MVR	On MVR Port Setup / Multicast Group Setup, if the MVR VLAN entry is specified as any number under 10, the tens place will be 0, which is redundant.
CLI / Authentication	Entering command “management authentication all/continue” on CLI for over 12 times in succession will cause a hang on both CLI and web UI.
LLDP	LLDP packet should not be learnt and it will not be dropped by RSTP blocked port.
Web / SFP threshold	In setting SFP threshold via web UI, clearing the value in the text field of alarm or warning will trigger the pop-up alert message even though the OK button is not clicked.

Firmware Version 1.00.0D

Date: 2021/06/17

New Feature / System Release	Description
N/A	N/A
Update	Description
Authentication	DUT will Authentication four times on the same time when TACACS+ Authentication is not correctly.
CLI	CLI enable layer if key in exclude "enable" words will cause telnet offline immediately.
CLI	CLI Radius and TACACS+ timeout title wording modify.

Firmware Version 1.00.0C

Date: 2021/06/14

New Feature / System Release	Description
Authentication	Configurable authentication method – Support restoring elder configuration
Update	Description
WEB	Web page of Radius/TACACS+ title underline wording modify.
SNMP	SNMP tool of Radius/TACACS+ authentication method set and display does not match Web page and CLI, modify the wording.



CLI	Use CLI to "show management authentication", the service display does not match Web page and SNMP tool, modify the wording.
Authentication	Disabled continue to next method when authentication fail, the device will continue to do the authentication with next method still, modify the function behavior.

Firmware Version 1.00.0B

Date: 2021/06/09

New Feature / System Release	Description
Authentication	Configurable authentication method
Update	Description
CLI	Set auto backup via CLI, when set tftp server and set file directory to 56 characters, DUT will not pop error message.
WEB	Web Event log page title is "Event Record" not "Enable Record"

Firmware Version 1.00.0A

Date: 2021/05/06

New Feature / System Release	Description
N/A	N/A
Update	Description
DHCP snooping	Modify DHCP snooping table can display 512 entries. Old : 448 entries New : 512 entries
IGMP snooping	Fixed the issue that Total entry always display "0".
IGMP snooping	Fixed the issue that CLI's total entry does not match Web's total entry.

Firmware Version 1.00.09

Date: 2021/05/02

New Feature / System Release	Description
CLI / Web / DHCP snooping	Add clear entry when port link down feature.
CLI / Web / DHCP snooping	Add clear specify entry feature.
Update	Description
CLI / Terminal length	Fixed the issue that the display does not match the setting.

Firmware Version 1.00.08

Date: 2021/04/27

New Feature / System Release	Description
CLI / Terminal length	Support Terminal length command.
Update	Description
CLI / Web / SNMP / Auto backup	<p>Modify user name / password's string length limitation.</p> <p>Old :</p> <p>Web → 20 characters</p> <p>CLI → 23 characters</p> <p>SNMP → 21 characters</p> <p>New:</p> <p>Web → 23 characters</p> <p>CLI → 23 characters</p> <p>SNMP → 23 characters</p>
Web / Auto backup	Fixed the issue that when set server IP address to 127.x.x.x or class E, will not pop out error message.
SNMP / Auto backup	Fixed the issue that when set server address to IPv6 multicast, will not pop out error message.
SNMP / Auto backup	Fixed the issue that when set file directory over 56 characters, will response noError.
CLI	Fixed the issue that when input "show mac address-table interface X", will cause system display wrong.



Firmware Version 1.00.07

Date: 2021/04/21

New Feature / System Release	Description
SNMPv3	Support SNMPv3 AES-128 encryption.
Update	Description
Port isolation	Fixed the issue that when disable port isolation will check any port enable or not.

Firmware Version 1.00.06

Date: 2021/04/05

New Feature / System Release	Description
N/A	N/A
Update	Description
System	Fixed the issue that Port 1 ~ 48 will transmit light signal even the port is disabled.

Firmware Version 1.00.05

Date: 2021/03/31

New Feature / System Release	Description
N/A	N/A
Update	Description
CLI / Show MAC filter	Fixed that cannot input sort by (mac/VLAN/port) when use filter type.
CLI / Show MAC Address Table	Fixed that will display duplicate MAC Address when using address restriction and sorting by port.
SNMP	Fixed that when setting “swbEventLogItemPolicy” as include, it will be unsuccessful.
MAC Address Table	Fixed the issue that when click “clear port list”, will clear all MAC Address.

Firmware Version 1.00.04

Date: 2021/03/25

New Feature / System Release	Description
Show MAC Address Table filter	Support MAC Address Table filter.
Update	Description
Static MAC Table Setup	Fixed that "Static MAC Table Setup" page will show edit icon after clicking "Batch Delete" and "Cancel Batch Delete" icon.
CLI / Show terminal-length	Fixed that the tips should be [1-2000].
Event log filter	Modify that NTP time's valid time range from 2021/01/01 00:00 to 2037/12/31 23:59.
SNMP / event log filter	Fixed that the local start/end month/day should not accept to set 0.

Firmware Version 1.00.03

Date: 2021/03/22

New Feature / System Release	Description
Show (Event) log filter	Support Event log filter, a show-filter-sub item under event log function.
Update	Description
Auto-configuration	Fixed that if auto-configuration is enabled, FOS-5152 should keep the same ipv6 address and gateway.
System	Fixed that when boot up with power B on single power device, may cause system crash.
SNMP / Port setting	Fixed that when 10G port speed is configured in manual 10G or auto-speed, it should accept port to be set as half-duplex.
SNMP / ACL	Fixed that if set ACL ethertype, L4 port mask via SNMP with invalid value, it will response with Error message.
SNMP / ACL	Fixed that when set name over 15 characters in ACL entry via SNMP, DUT should response Error and can't set successful.
SNMP / ACL	Fixed that when disable ACL entry via SNMP, it will response with Error message.
DHCP	Fixed that disable IPv4 / IPv6 after client get IP, device didn't send out DHCP release packet.
Selective Q-in-Q	Fixed that CLI can handle selective QinQ command with a long port list.



SNMP / VLAN	Fixed that if simultaneously setting 2K VLAN via SNMP tool, it will separate Receive and Run process to avoid timeout.
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Firmware Version 1.00.02

Date: 2020/12/29

New Feature / System Release	Description
N/A	N/A
Update	Description
SNMP/ACL	Fixed that if set name over 15 characters, system response noError, but actually not set successful issue.
CLI/IGMP	Fixed that total entry in IGMP group table is not correct issue.

Firmware Version 1.00.01

Date: 2020/12/25

New Feature / System Release	Description
IGMP	Support per port report counter and stream life time.
Update	Description
RSTP & LACP	Fixed the issue when enable RSTP and LACP at the same port, will cause loop.
Event Log	Fixed that after restore configuration, event log page don't have warm start log issue.

Firmware Version 1.00.00

Date: 2020/12/02

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