



| | | | | | |
|--------------------|---|----------------|-------------------|-----------------|-----------------|
| Model Name | FOS-3114 | Version | 1.00.0N | Designer | Approval |
| Part Name | Firmware | Date | 2024/03/21 | | |
| Part Number | N/A | Unit | N/A | | |
| File Name | FOS-3114_Release note_1.00.0N_20240321.doc | | | | |

Release Note

FIRMWARE VERSION 1.00.0N 3

FIRMWARE VERSION 1.00.0M 3

FIRMWARE VERSION 1.00.0L 4

FIRMWARE VERSION 1.00.0K 4

FIRMWARE VERSION 1.00.0J 5

FIRMWARE VERSION 1.00.0I 5

FIRMWARE VERSION 1.00.0H 6

FIRMWARE VERSION 1.00.0G 6

FIRMWARE VERSION 1.00.0F 6

FIRMWARE VERSION 1.00.0E 7

FIRMWARE VERSION 1.00.0D 7

FIRMWARE VERSION 1.00.0C 7

FIRMWARE VERSION 1.00.0B 8

FIRMWARE VERSION 1.00.0A 8

FIRMWARE VERSION 1.00.09 8

FIRMWARE VERSION 1.00.08 9

FIRMWARE VERSION 1.00.07 9

FIRMWARE VERSION 1.00.06 9

FIRMWARE VERSION 1.00.05 10

FIRMWARE VERSION 1.00.04 11

FIRMWARE VERSION 1.00.03 11

FIRMWARE VERSION 1.00.02 11



| | |
|--------------------------------|----|
| FIRMWARE VERSION 1.00.01 | 12 |
| FIRMWARE VERSION 1.00.00 | 13 |

Firmware Version 1.00.0N

Date: 2024/03/21

| New Feature / System Release | Description |
|------------------------------|---|
| N/A | N/A |
| Update | Description |
| 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 1.00.0M

Date: 2022/08/24

| 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> |
| Update | Description |
| 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. |
| SNMP | <p>SNMP MIB file of CPU memory and statistics item name does not match Web page and CLI.</p> <p>Note: "swhCPUAndMemoryStatistics" instead of "swhStatistic".</p> |
| QoS Remarking | DSCP Remarking will keep previous behavior even it has been modified. |

Firmware Version 1.00.0L

Date: 2020/08/17

| New Feature / System Release | Description |
|--|---|
| RSTP | <p>Modify default value and config rules of global settings:</p> <p>< Original ></p> <ol style="list-style-type: none"> RSTP default parameter: Max Age = 6, Hello Time = 1, Forward Delay = 4. Max Age Range is 6-200. Without config rule. <p>< New ></p> <ol style="list-style-type: none"> RSTP default parameter: Max Age = 20, Hello Time = 2, Forward Delay = 15. Max Age Range is 6-40. 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. |
| Update | Description |
| 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 1.00.0K

Date: 2019/08/08

| New Feature / System Release | Description |
|------------------------------|---|
| N/A | N/A |
| Update | Description |
| Flow Control | Fixed that client port (1-10) flow control not work. |
| 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 when set storm control main switch to "disabled", but storm control still can work. |
| Warm Reload | Fixed that warm reload(up-time)'s "Remaining Up-Time" display wrong. |
| 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. |
| 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 1.00.0J

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. |

Firmware Version 1.00.0I

Date: 2019/05/13



| 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 1.00.0H

Date: 2019/05/02

| 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. |
| DNS | Fixed that when not input DNS1 IP address then direct to input DNS2 IP address, this IP address will display in DNS1's field of Current State. (Should display on DNS2's) |
| DNS / CLI | Fixed that CLI does not show DNS automatically mode on "Current State". |
| SNMP Trap Destination / SNMP | Fixed that when setting SNMP trap destination server 3 via SNMP, but result will show on server 1. |

Firmware Version 1.00.0G

Date: 2019/02/22

| New Feature / System Release | Description |
|------------------------------|---|
| CLI | Added the “no management web” command to disable web interface. |
| Update | Description |
| Firmware Copy | Fixed that WEB page firmware copy display status string always show "Current image-1 copy to backup image-2" issue. |

Firmware Version 1.00.0F

Date: 2019/02/20

| New Feature / System Release | Description |
|------------------------------|---|
| DNS configuration | Added that DNS related configuration (syslog, ntp, trap). |



| Update | Description |
|------------------|--|
| VLAN translation | Fixed that VLAN translation can't work when DHCP snooping enable with DHCP mode. |

Firmware Version 1.00.0E

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. |
| SFP | Fixed that the SFP information will wrong issue. |

Firmware Version 1.00.0D

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 1.00.0C

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 1.00.0B

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 1.00.0A

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 1.00.09

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 1.00.08

Date: 2018/08/24

| New Feature / System Release | Description |
|---------------------------------------|---|
| Fast Redundancy / Fast Ring v2 | Added Fast Ring v2 feature. |
| 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 1.00.07

Date: 2018/06/20

| New Feature / System Release | Description |
|------------------------------|---|
| N/A | N/A |
| Update | Description |
| CLI / show running-config | Fixed that use 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 port received designate MAC will not converter to original packet. |
| CLI / show vlan | Fixed that when configure some Dot1q VLAN settings on DUT, and check the VLAN table in CLI, the link to CLI will be cut off. |

Firmware Version 1.00.06

Date: 2018/05/23

| New Feature / System Release | Description |
|------------------------------|---|
| L2PT | Added L2PT feature. |
| Update | Description |
| 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 1.00.05

Date: 2018/04/27

| New Feature / System Release | Description |
|------------------------------|--|
| DHCP IP address | Added DHCP auto recycle feature. |
| VLAN Translation | Added VLAN translation. |
| Show running configure | Support can search with a specific word. |
| Alarm | Support MAC-Limiter and Storm Control Trap. |
| Update | Description |
| 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. |
| 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. |
| CLI / Reload | Fixed that when issuing an invalid CLI input beginning with "reload" such as "reload aaa" DUT still will execute reboot. |
| 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. |
| 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. |
| LED / Port | Fixed that when change VLAN or port speed will cause port LED not light. |
| 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: 2018/02/12

| 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 Read and Write operation level can't 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: 2018/02/08

| New Feature / System Release | Description |
|------------------------------|---|
| N/A | N/A |
| Update | Description |
| IGMP / IPMC Segment | Fixed that IPMC Segment pop error message to show "not match error setting status" issue. |

Firmware Version 1.00.02

Date: 2018/02/06

| New Feature / System Release | Description |
|------------------------------|---|
| CPU Temperature | Added that CPU Temperature trap send state information. |
| Update | Description |



| | |
|-----|-----|
| N/A | N/A |
|-----|-----|

Firmware Version 1.00.01

Date: 2018/02/05

| New Feature / System Release | Description |
|------------------------------|--|
| CPU Temperature | Added that support CPU temperature Trap configuration and monitor. |
| IP address | Added that support IP address ending configuration with .255 (.0). |
| WEB | Support that when Logout Succeeded, it automatically change to login page. |
| System | Support that when DUT ip address is changed, it will automatically change url. |
| Update | Description |
| WEB | Fixed that when ip change, WEB will automatically change url, but sometimes show disconnection. |
| WEB | Fixed that when change the web page from "Port Packet Error Statistics" to "Port Packet Analysis Statistics". DUT may hang in the updating page. |
| CLI | Removed that 10Mbps speed parameter in command. |
| CLI | Fixed that LLAG port of show spanning-tree status and show spanning-tree statistic can't support 7 items in command. |
| CLI | Fixed that command can support "no snmp-server trap-type case-fan" issue. |
| SNMPc | Fixed that when use snmpc to assign management vlan, snmp will pop unsuccessful issue. |
| CLI | Modified the "Action port" command of ACL function to "Mirror/Redirect Port Number" command. |
| System | Fixed that it isn't default value after enter "no spanning-tree" and "no user tacacs tacacs-port". |
| SSH | Fixed that SSH can't work fine issue. |
| CLI | Fixed that there is no default value after enter "no qos queue-weighted". |
| CLI | Fixed that "source-l4-port any" Description error for ACL command. |
| Auto-backup | Fixed that auto-backup function can't work fine issue. |
| IGMP | Fixed that IGMP Filtering Title on WEB has not difference between ipv6 and ipv4 in Filtering. |
| Console | Fixed that when continue to type symbol on CLI, it will delay for a while. |



| | |
|--------|--|
| WEB | Fixed that when on the edit trunk vlan page without any changing and exit will pop “duplicate name error” message. |
| Syslog | Fixed that when Auto Backup successfully, the syslog will send “auto backup file failed” issue. |
| ACL | Fixed that description of ACL command error. |

Firmware Version 1.00.00

Date: 2017/12/21

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