

Model Name	HES-5106SFP+	Version	1.00.0L	Designer	Approval
Part Name	Firmware	Date	2024/08/14		
Part Number	N/A	Unit	N/A		
File Name	HES-5106SFP+_Release note_1.00.0L_20240814.doc				

Release Note

FIRMWARE VERSION 1.00.0L	2
FIRMWARE VERSION 1.00.0K	2
FIRMWARE VERSION 1.00.0J	2
FIRMWARE VERSION 1.00.0I	2
FIRMWARE VERSION 1.00.0H	3
FIRMWARE VERSION 1.00.0G	3
FIRMWARE VERSION 1.00.0F	3
FIRMWARE VERSION 1.00.0E	4
FIRMWARE VERSION 1.00.0D	4
FIRMWARE VERSION 1.00.0C	4
FIRMWARE VERSION 1.00.0B	4
FIRMWARE VERSION 1.00.0A	5
FIRMWARE VERSION 1.00.09	5
FIRMWARE VERSION 1.00.08	5
FIRMWARE VERSION 1.00.07	6
FIRMWARE VERSION 1.00.06	6
FIRMWARE VERSION 1.00.05	7
FIRMWARE VERSION 1.00.04	7
FIRMWARE VERSION 1.00.03	8
FIRMWARE VERSION 1.00.02	8
FIRMWARE VERSION 1.00.01	8
FIRMWARE VERSION 1.00.00	9

Firmware Version 1.00.0L

Date: 2024/08/14

New Feature / System Release	Description
All UIs (WEB / CLI / SNMP)	Insert content support space. Example via CLI: switch-info host-name "abc 123" archive auto-backup path ftp 1.1.1.1 "abc 123" username password
Update	Description
System	After device boot-up, system cannot detected port 5 and try to link.

Firmware Version 1.00.0K

Date: 2024/04/30

New Feature / System Release	Description
N/A	N/A
Update	Description
Management / Firmware Upgrade / Restore Configuration	Setting VLAN and backup then restore configure file, VLAN table cannot display correct.

Firmware Version 1.00.0J

Date: 2024/04/26

New Feature / System Release	Description
N/A	N/A
Update	Description
VLAN Setup / VLAN Table	Set specific VLAN configure will cause VLAN Table display wrong. (Not affect behavior)

Firmware Version 1.00.0I

Date: 2024/04/22

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



System / CLI	Set ACL IPv6 entry with a long IPv6 address and prefix 128, then enter "show running-config" will cause all CLI disconnect.
Management / Management Access Setup	Rename parameter "System Time Out" to "CLI Time Out" on CLI show.
Terminal History	Configure terminal length to 1, the result will be wrong (Print all).
System / CLI	CLI crash from "Tab" button.

Firmware Version 1.00.0H

Date: 2024/04/18

New Feature / System Release	Description
N/A	N/A
Update	Description
Management / Management Access Setup	Rename parameter "Console Time Out" to "CLI Time Out". [Notice] Valid on Telnet and SSH Interfaces.

Firmware Version 1.00.0G

Date: 2023/12/11

New Feature / System Release	Description
N/A	N/A
Update	Description
SNMP	Modify port speed display information on SNMP public MIB. ifMIB > ifTable > ifHighSpeed (1.3.6.1.2.1.31.1.1.1.15): <ul style="list-style-type: none">■ 10Mbps → 10■ 100Mbps → 100■ 1Gbps → 1000■ 2.5Gbps → 2500■ 5Gbps → 5000■ 10Gbps → 10000
802.1X	DUT can't complete authentication process with TLS mechanism.
DHCP Snooping	Unexpected DHCP packet with wrong format will crash DHCP process.

Firmware Version 1.00.0F

Date: 2023/07/03



New Feature / System Release	Description
N/A	N/A
Update	Description
802.1X	User radius secret key backup and setting error.

Firmware Version 1.00.0E

Date: 2023/06/30

New Feature / System Release	Description
N/A	N/A
Update	Description
CLI	Fixed cli command "show dot1x statistics 5 clear" not work.

Firmware Version 1.00.0D

Date: 2023/06/29

New Feature / System Release	Description
N/A	N/A
Update	Description
Port Setup & Status	When port 5 speed change to 10G, 5G or 2.5G, system will display incorrect speed status.

Firmware Version 1.00.0C

Date: 2023/06/26

New Feature / System Release	Description
802.1X	Support new feature 802.1X Authentication & Assigned/Fallback VLAN.
Update	Description
Port Setup & Status	Support auto refresh for each parameters.

Firmware Version 1.00.0B

Date: 2023/05/05

New Feature / System Release	Description
Port Packet Error Statistics	Support "Total Errors(Exclude Drop)" counter to present total errors exclude dropped event.
Port Packet Analysis Statistics	Support "Tx Unicast" and "Rx Unicast" counters.



Update	Description
System	Change default max frame size to chipset maximum, HES-5106 is 12288 (Range: 1518 – 12288).
SNMP	Public MIB "ifInErrors" should not include RxDrop event. OID = 1.3.6.1.2.1.2.2.1.14
Port Packet Error Statistics / SNMP	MIB description for swCountersEventsRxDroppedFrames and swCountersRatesRxDroppedFrames.
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 1.00.0A

Date: 2023/01/16

New Feature / System Release	Description
N/A	N/A
Update	Description
Selective Q-in-Q	VLAN Selective Q-in-Q Configuration Web display ports are different from CLI displays.
Selective Q-in-Q	After setup VLAN port to Selective Q-in-Q mode, then enable and apply Selective Q-in-Q function, system will pop warning window.

Firmware Version 1.00.09

Date: 2023/01/09

New Feature / System Release	Description
Selective Q-in-Q	Support "Selective Q-in-Q" function.
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
SNMP	SNMP mib file of CPU memory and statistics item name does not match Web page and CLI.

Firmware Version 1.00.08

Date: 2021/05/10



New Feature / System Release	Description
System	Speed up when configure/restore VLAN settings.
Update	Description
VLAN	Fixed that during use cli command "vlan dot1q-vlan 1" then "show", DUT cannot display single dot1q-vlan table information.
SNMP / FW Version	Fixed that when get OID(.1.3.6.1.2.1.1.1) via SNMP, even current is running on image-2, but still display image-1's FW Version.
SNMP / MIB file	Fixed that when run snmpwalk OID(.1.3.6.1.4.1.9304.100.5106.1.2) via SNMP, it will get some not this model's OIDs.
SNMP / Port Mirror	Modify when set port mirror via SNMP, system need check enable, port mirror destination port and source Tx/Rx port together.

Firmware Version 1.00.07

Date: 2020/08/10

New Feature / System Release	Description
N/A	N/A
Update	Description
VLAN Setup / IEEE 802.1q Tag VLAN / VLAN Interface	Fixed that after created full 4K VLAN IDs, then cannot modify access port's PVID.

Firmware Version 1.00.06

Date: 2020/08/07

New Feature / System Release	Description
N/A	N/A
Update	Description
Management / Firmware Upgrade / Restore Configuration	Speed up restore configuration with full 4094 VLANs from 7.41 hours to 234 seconds.
Multicast / IGMP/MLD Snooping	Fixed that the IGMP module crash while showing the IGMP/MLD Group Tables. (IGMP all function will be failed)
Multicast / Static Multicast Setup	Fixed that when set static multicast via SNMP, IP address set to 2001::1234 will be deny, and continue to set ff55::5 will become to ff55::5234.
System Setup / IP Setup	When set IPv6 link-local or global address via WEB, if without input



	prefix length, it will auto set as 0. (Now modify to 64 instead 0)
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Firmware Version 1.00.05

Date: 2020/07/17

New Feature / System Release	Description
N/A	N/A
Update	Description
System	<p>Fixed that when fiber port 6 connected to packet instrument (XENA) with 10G speed and send full rate, after some time, port 6 will get CRC error and loss packets issue.</p> <p>Note: When using IXIA will not happen this situation, because switch PHY is different. (Compatibility issue)</p>

Firmware Version 1.00.04

Date: 2020/07/01

New Feature / System Release	Description		
SNMP / IGMP Group Table	Improve the IGMP/MLD Group Table response time.		
	MAC address counts	T1 (sec)	T2 (sec)
	1K	0.53	12.97
	2K	1.22	25.87
	4K	2.64	51.73
	8K	5.75	103.48
	16K	14.48	209.19
	T1: From send "get-next-request" until received first one "get-response". T2: From send "get-next-request" until received last one "get-response".		
Update	Description		
System / Memory	Fixed that when port link down and up, it will affect memory leak.		
SNMP	Fix that when set VLAN 1~4094, get VLAN entry can't display issue.		
SNMP	Modify snmp 8021QTrunkVLAN only display effective entry and one not active entry.		
SNMP	Fix that when use snmpwalk get port based VLAN member will display port 1 to port 48 issue.		
SNMP	Fix that when use snmpwalk get trunk VLAN table member will display		



	port 1 to port 48 issue.
SNMP	Fix that public MIB (dot1dTpFdbTable) can't update new mac address table issue.

Firmware Version 1.00.03

Date: 2020/06/17

New Feature / System Release	Description
N/A	N/A
Update	Description
SNMP	Fix that when set port media type via SNMP, port5 set to fiber, port6 set to copper will response successfully issue.
SNMP	Fix that when MAC Address table is too large, dot1qTpFdpTable can't show mac address issue.

Firmware Version 1.00.02

Date: 2020/06/12

New Feature / System Release	Description
N/A	N/A
Update	Description
SNMP	Modify public MIB dot1dTpFdbTable CPU Port display to 0.
SNMP	Fix that dot1dTpFdbTable can't update MAC Address instantly issue.
SNMP	Fix that use snmpwalk to run public MIB will happen error issue.

Firmware Version 1.00.01

Date: 2020/06/03

New Feature / System Release	Description
SNMP / Public MIB	Support SNMP public MIB dot1dTpFdbTable.
Update	Description
statistics Polling Port Units range	Fix statistics Polling Port Units range expect 1-6, but actually is 1-10 issue.
LED	Fix HW A01 port LED can't blink issue.
SFP Port Info	Fix that when use multi-mode OM3 type's SFP display wrong distance



	in WEB UI issue.
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Firmware Version 1.00.00

Date: 2020/03/10

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