

ENGINEERING RELEASE NOTES

Firmware Version 1.2.2.30

INTRODUCTION:

ECS4120 series Gigabit Access Switch consists of ECS4120-28T, ECS4120-52T which configuration is 24/48 10/100/1000 Base-T ports, with additional 4 10G SFP+ ports while ECS4120-28F which configuration is 20 GE SFP & 4 Combo GE ports with additional 4 10G SFP+ ports.

Using IP Clustering for stacking which is a method of grouping switches regardless of geographical location in order to enable centralized management access to the switches through a single management point. This technology provides some of the benefits of stackable switches without requiring direct stacking or connections between switch units. It also allows different kinds of switches to be grouped together, as long as they have the embedded clustering software.

It offers advanced administration through a user-friendly browser interface. QoS and VLAN Supports allows greater scalability and Supports for business-critical applications. Port can be trunked to create a high bandwidth pipe to the network.

It also has comprehensive network management functions, such as Spanning Tree protocol for standard bridging, SNMP, RMON and security features.

It is recommended that one thoroughly review this release notes prior to the installation or upgrade of this product.

FIRMWARE SPECIFICATION:

Firmware	Version	File Name
Software	1.2.2.30	ecs4120-run_v1.2.2.30.bix

Status	Version No.	Type	Release Date
Patch Version	1.2.2.30	Patch version	2020/3/20
Patch Version	1.2.2.29	Patch version	2020/3/5
Patch Version	1.2.2.28	Patch version	2019/12/19
Patch Version	1.2.2.27	Patch version	2019/11/18
Patch Version	1.2.2.26	NTC Version	2019/10/18
Patch Version	1.2.2.25	Patch version	2019/8/22
Patch Version	1.2.2.24	NTC Version	2019/3/21
Patch Version	1.2.2.23	NTC Version	2019/2/11
Patch Version	1.2.2.22	NTC Version	2019/1/23
Patch Version	1.2.2.21	NTC Version	2019/1/10
Patch Version	1.2.2.20	NTC Version	2019/1/3
Patch Version	1.2.2.19	NTC Version	2018/12/24
Patch Version	1.2.2.19	NTC Version	2018/12/24
Patch Version	1.2.2.18	NTC Version	2018/12/18
Patch Version	1.2.2.17	NTC Version	2018/12/13
Patch Version	1.2.2.16	NTC Version	2018/12/10
Patch Version	1.2.2.15	NTC Version	2018/11/27
Patch Version	1.2.2.14	NTC Version	2018/11/16
Patch Version	1.2.2.13	NTC Version	2018/10/30
Patch Version	1.2.2.12	Patch version	2018/10/30
Patch Version	1.2.2.10	NTC Version	2018/10/5

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Patch Version	1.2.2.9	NTC Version	2018/10/1
Patch Version	1.2.2.5	Patch Version	2018/9/28
Patch Version	1.2.2.8	NTC Version	2018/9/26
Patch Version	1.2.2.7	NTC Version	2018/9/25
Patch Version	1.2.2.5	NTC Version	2018/9/13
Patch Version	1.2.2.4	NTC Version	2018/9/12
Patch Version	1.2.2.3	NTC Version	2018/8/31
Patch Version	1.2.2.2	NTC Version	2018/8/17
Patch Version	1.2.2.1	NTC Version	2018/8/8
Patch Version	1.0.2.46	Patch Version	2018/7/20
Patch Version	1.0.2.45	NTC Version	2018/7/13
Patch Version	1.0.2.44	NTC Version	2018/6/8
Patch Version	1.0.2.43	Patch Version	2018/6/1
Patch Version	1.0.2.42	NTC Version	2018/5/25
Patch Version	1.0.2.41	NTC Version	2018/5/18
Patch Version	1.0.2.40	NTC Version	2018/5/2
Patch Version	1.0.2.39	NTC Version	2018/4/26
Patch Version	1.0.2.38	NTC Version	2018/4/20
Patch Version	1.0.2.37	Patch Version	2018/3/16
Patch Version	1.0.2.36	Patch Version	2017/12/
Patch Version	1.0.2.35	NTC Version	2017/11/8
Patch Version	1.0.2.34	Patch Version	2017/10/
Patch Version	1.0.2.33	Patch Version	2017/10/13
Patch Version	1.0.2.32	NTC Version	2017/9/21
Patch Version	1.0.2.31	NTC Version	2017/9/8
Patch Version	1.0.2.29	Patch Version	2017/8/3
Patch Version	1.0.2.28	Patch Version	2017/8/3
Patch Version	1.0.2.27	Patch Version	2017/7/26
Patch Version	1.0.2.26	Patch Version	2017/7/7
Previous Version	1.0.2.25	NTC test	2017/6/30
Previous Version	1.0.2.24	Patch Version	2017/6/22
Previous Version	1.0.2.23	NTC test	2017/6/9
Previous Version	1.0.2.22	NTC test	2017/5/12
Previous Version	1.0.2.21	NTC test	2017/2/8
Previous Version	1.0.2.20	Patch Version	2017/1/24
Previous Version	1.0.2.19	NTC test	2017/1/16
Previous Version	1.0.2.18	Patch Version	2017/1/6
Previous Version	1.0.2.17	NTC test	2016/12/19
Previous Version	1.0.2.15	Patch Version	2016/10/18
Previous Version	1.0.2.14	NTC test	2016/7/9
Previous Version	1.0.2.13	NTC test	2016/7/9
Previous Version	1.0.2.12	NTC test	2016/6/23
Previous Version	1.0.2.11	NTC test	2016/6/13
Previous Version	1.0.2.10	NTC test	2016/4/29
Previous Version	1.0.2.14	NTC test	2016/7/9
Previous Version	1.0.2.8	NTC test	2016/3/14
Test Version	1.0.2.7	test	2016/2/1
Previous Version	1.0.2.6	NTC tested	2016/1/22
Previous Version	1.0.2.0	NTC tested	2015/11/24

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HARDWARE COMPATIBILITY:

ES4528BH2-HPoE-EC

BOOTPROM COMPATIBILITY:

ALL

INSTALLATION AND CONFIGURATION NOTES:

In general, the ECS4120 series Switch will be shipped to you pre-configured with this version of firmware. If you would like to upgrade an existing ECS4120 series Switch, please follow the TFTP download instructions that are included with your firmware image upgrade kit.

To download new firmware from a TFTP server, enter the IP address of the TFTP server, select "opcode" as the file type, then enter the source and destination file names. To start the new firmware, enter the "reload" command or reboot the system.

CLI commands:

Console#*copy tftp file*

TFTP server IP address: *192.168.1.23*

Choose file type:

1. config: 2. opcode: : 2

Source file name: *opcode.bix*

Destination file name: *opcode.bix*

Write to flash programming.

Programming flash started.

Success.

Console#*reload*

FIRMWARE CHANGES AND ENHANCEMENTS:

The following Known Issues have been fixed in this release of firmware.

Runtime V1.2.2.30

ECS4120EC-18	rollback VNPT enhance for standalone branch(rollback 4 EPR change ES4528BH2-HPoE-0815-EC-00948 /ES4528BH2-HPoE-0815-EC-00949/ECS4120EC-1/ECS4120EC-4)
ECS4120EC-8	ECS4120-28F/28F-I diag led test error

Runtime V1.2.2.29

ECS4120EC-1	Add command to modify interface type for information option tr101 format.
ECS4120EC-2	ERPS blocking port will forward PVST packets when enable dot1q-tunnel globally
ECS4120EC-4	PPPoE Snooping add interface-type and vendor tag keep function

Runtime V1.2.2.28

ES4528BH2-HPoE-0815-EC-00966	ACL:cannot bind acl on the egress port
ES4528BH2-HPoE-0815-EC-00950	DHCP snooping not bind when same MAC, different VLAN get different IP

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	Add debug method for 3M issue (switch reboots by software watchdog L2MUX_GROUP)
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Runtime V1.2.2.27

ES4528BH2-HPoE-0815-EC-00949	[Enhancement] Enhance PPPoE IA to Support PPPoE Snooping
ES4528BH2-HPoE-0815-EC-00948	VLAN translation cannot separate ingress & egress direction
ES4528BH2-HPoE-0815-EC-00946	[Enhancement] Support DHCPSPNP filter-only mode
ES4528BH2-HPoE-0815-EC-00944	Keeping "show interface transceiver" will trigger the software watchdog.
ES4528BH2-HPoE-0815-EC-00942	MAC ACL couldn't block the BPDU packet.
ES4528BH2-HPoE-0815-EC-00932	[debug] The debug mode of the DHCPSPNP missed the ACK packet information.

Runtime V1.2.2.26; Loader V0.0.3.2/V0.0.4.2

ES4528BH2-HPoE-0815-EC-00945	system: show system garbled log and warm restart misjudgment
ES4528BH2-HPoE-0815-EC-00939	ECS4120-28F-I and ECS4120-28Fv2-I apply new thermal plan
ES4528BH2-HPoE-0815-EC-00937	ECS4120 doesn't support the "ip dhcp client hostname" function but has empty command
ES4528BH2-HPoE-0815-EC-00936	HTTP-Download Config will get old config

Loader V0.0.3.1

ES4528BH2-HPoE-0815-EC-00902	Switch reverts to the factory default setting when upgrading the opcode(for 0.0.3.0 version)
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Runtime V1.2.2.25; Loader V0.0.4.1

ES4528BH2-HPoE-0815-EC-00930	Port utilization info is incorrect on 10G port
ES4528BH2-HPoE-0815-EC-00927	[Enhance] AAA TACACS: No system-auto privilege authorization following login authentication.
ES4528BH2-HPoE-0815-EC-00922	Enabled both VLAN Trunking and Ingress Filtering, DAI trusted port does not forward unknown-VLAN ARP packets.
ES4528BH2-HPoE-0815-EC-00918	Web ERPS with Multiple instance.
ES4528BH2-HPoE-0815-EC-00902	Switch reverts to the factory default setting when upgrading the opcode
ES4528BH2-HPoE-0815-EC-00865	Wrong description on CLI command.

Runtime V1.2.2.24; Loader V0.0.4.0/0.0.3.0 (latest code from server)

ES4528BH2-HPoE-0815-EC-00917	User Layer 2 user entry to trap BPDU CPU instead of rule.
ES4528BH2-HPoE-0815-EC-00915	switch will forward root port BPDU packets to Designate port (Fixed by EPR917).
ES4528BH2-HPoE-0815-EC-00914	ERPS Trap OID is not consistent between MIB definition and actual packet's.
ES4528BH2-HPoE-0815-EC-00913	delete/add arp entry cause inter vlan routing problem
ES4528BH2-HPoE-0815-EC-00904	[DAI & vlan-trunking] switch will not forward the unknown VLAN ARP packet.
ES4528BH2-HPoE-0815-EC-00912	mfg_runtime loaded but caused the dut fail boot up in acc recovery. (mfg_runtime only)
ES4528BH2-HPoE-0815-EC-00822	DHCP Server: Failed to write excluded-address setting to running configuration.
ES4528BH2-HPoE-0815-EC-00909	[DHCP relay] switch only send the DHCP packet to the last DHCP relay server even the last server does not exist..

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ES4528BH2-HPoE-0815-EC-00908	MAC address of vlans are which are not in the allowed vlans list , are still being learned on the eth ports
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Runtime V1.2.2.23; Loader V0.0.4.0/0.0.3.0 (latest code from server)

ECS4120-Stacking-00143	RSTP: DUT does not reject to configure RSTP mode as spanning-tree is disabled
ECS4120-Stacking-00144	Runtime size generate via acc recovery is large in Dir (mfg_runtime)
ES4528BH2-HPoE-0815-EC-00900	ERPS: After shutdown and no shutdown this trunk member ports, DUT cannot forward some VLAN-group data correctly.
ES4528BH2-HPoE-0815-EC-00905	ERPS: When we configure vlan_group and Ring over maximum number, it doesn't return "Maximum number reached" in error
ECS4120-Stacking-00145	loopback fail in Diag.
ES4528BH2-HPoE-0815-EC-00711	numerous ARP packets impact the IGMP control packets
ES4528BH2-HPoE-0815-EC-00864	Console locked is caused by loading attached config file when copy startup-config to running-config. (with LLDP-med function)

Loader V0.0.4.0

ES4528BH2-HPoE-0815-EC-00893	[enhance] new flash partition for recovery and runtime partition
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Runtime V1.2.2.22; Loader V0.0.3.0 (code base v1.2.2.21)

ES4528BH2-HPoE-0815-EC-00903	static IPv6 Source Guard with full IPv6 address display problem.
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Runtime V1.2.2.21; Loader V0.0.3.0 (code base v1.2.2.19)

ES4528BH2-HPoE-0815-EC-00897	Static mac add/remove by SNMP failed.
ES4528BH2-HPoE-0815-EC-00895	Dying-gasp: Dying-gasp trap is not working on authNoPriv and authPriv.
ES4528BH2-HPoE-0815-EC-00892	DHCP-SNP: Add another entry with lower prefix than existing entry, DUT does not forward ipv6 traffic with lower prefix settin.
ES4528BH2-HPoE-0815-EC-00891	IPv6 Source guard: When delete some sdp entry, other entry cannot work..
ES4528BH2-HPoE-0815-EC-00750	command FAN-Speed force-full does not work for 28FV2
ES4528BH2-HPoE-0815-EC-00669	DHCP-SNP: Enable DHCP-SNP and learning maximum MAC enrties, DUT cannot forward DHCP packet to trust port.

Runtime V1.2.2.20; Loader V0.0.3.0 (code base v1.2.2.18)

ES4528BH2-HPoE-0815-EC-00891	IPv6 Source guard: When delete some sdp entry, other entry cannot work..
ES4528BH2-HPoE-0815-EC-00892	DHCP-SNP: Add another entry with lower prefix than existing entry, DUT does not forward ipv6 traffic with lower prefix settin.

Runtime V1.2.2.19; Loader V0.0.3.0

ES4528BH2-HPoE-0815-EC-00884	Dying gasp trap suport SNMPv3.
ES4528BH2-HPoE-0815-EC-00830	The STP loopback detection fails after port shutdown / no shutdown.
ES4528BH2-HPoE-0815-EC-00817	The ERPS Open Ring doesn't change to Idle state after WTR time. (EPR816 fixed indirectly by EPR817)

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ECS4120-Stacking-00128	Loop detection: After we global enable loop detection in Master switch; CLI is halted and DUT rebooting itself..
ECS4120-Stacking-00121	Wrong password is saved to Mozilla Firefox web browser

Runtime V1.2.2.18; Loader V0.0.3.0

ES4528BH2-HPoE-0815-EC-00886	IPv6 Source guard: The same ipv6 sdp entry with prefix is replaced by another full ipv6 sip entry.
ES4528BH2-HPoE-0815-EC-00885	IPv6 Source guard: The same ipv6 sdp entry with prefix 32 is replaced by another lower prefix (16) entry.
ES4528BH2-HPoE-0815-EC-00883	IPv6 Source guard: When we try to delete one inexistent entry from DUT, but it remove other existing entry.
ES4528BH2-HPoE-0815-EC-00880	ZTPv6: When we configure mutple IPV6 interface, DUT fail to get this bootfile.
ES4528BH2-HPoE-0815-EC-00877	[Source ::1 of the snmp traps ,it will be drop by NNMi Server, refinement for corner testing case.
	Correct the CLI privilege issue caused by merged EPR 850: IPV6 prefix Guard

Runtime V1.2.2.17; Loader V0.0.3.0

ES4528BH2-HPoE-0815-EC-00881	Port description option enhancement missing Web Gui
ES4528BH2-HPoE-0815-EC-00877	[Source ::1 of the snmp traps ,it will be drop by NNMi Server
ES4528BH2-HPoE-0815-EC-00876	fail to set static ipv6 source guard binding for ipv6 prefix
ES4528BH2-HPoE-0815-EC-00875	[WEB] Modify WEB for IPSGv6 and DHCPSPv6 changes. For EPR850. Refined
ES4528BH2-HPoE-0815-EC-00873	trap with hostname & remove IPV6 in variable binding
ES4528BH2-HPoE-0815-EC-00829	Support DHCP op82 remote-id "port description" only (without any remote-id prefix), SNMP
ES4528BH2-HPoE-0815-EC-00793	[Enhancement] Support to download exception log and watchdog log.
ES4528BH2-HPoE-0815-EC-00899	Add missed function to initial dying gasp for SNMP process.

Runtime V1.2.2.16; Loader V0.0.3.0

ECS4120-Stacking-00131	[Enhancement]Always set IFG to 20 for ingress port rate limit, just make code same as other model
ES4528BH2-HPoE-0815-EC-00818	[Enhancement] add the "flooding behavior" command for DHCPSPNP
ES4528BH2-HPoE-0815-EC-00820	VRRP change status will cause memory leakage.
ES4528BH2-HPoE-0815-EC-00850	[enhance] IPV6 prefix Guard request in SNMP
ES4528BH2-HPoE-0815-EC-00871	TWAMP spec "Server-Greeting" message count field is at 262144, not 1024
ES4528BH2-HPoE-0815-EC-00868	[enhance] Add bid 15 for esc4120-28Fv2 based on board id 12
ES4528BH2-HPoE-0815-EC-00875	[WEB] Modify WEB for IPSGv6 and DHCPSPv6 changes. For EPR850.

Runtime V1.2.2.15; Loader V0.0.3.0

ES4528BH2-HPoE-0815-EC-00862	access to wrong array index for swctrl_station_move_trap_per_port
ES4528BH2-HPoE-0815-EC-00853	When the problematic transceiver is plugged in, it displayed the previous transceiver information, not checksum-error
ES4528BH2-HPoE-0815-EC-00850	[enhance] IPV6 prefix Guard request in CLI

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ES4528BH2-HPoE-0815-EC-00849	ERPS: After shutdown and no shutdown Ring port in maximum instance setting; Port cannot receive all VLAN traffic.
ES4528BH2-HPoE-0815-EC-00808	ERPS WTR timer should support range 1 - 12 minutes
ES4528BH2-HPoE-0815-EC-00790	DHCP Snooping trust port will remove the option 82..
ES4528BH2-HPoE-0815-EC-00731	[Enhance] ERPS with Multiple Instance MIB
ECS4120-Stacking-00122	Remove duplicate warning message while performing Dynamic DHCP-provision

Runtime V1.2.2.14; Loader V0.0.3.0

ES4528BH2-HPoE-0815-EC-00860	[WEB] TACACS supports IPv6
ES4528BH2-HPoE-0815-EC-00851	Modify the place of spanning-tree command in CLI running.
ES4528BH2-HPoE-0815-EC-00848	Tacacs support over ipv6
ES4528BH2-HPoE-0815-EC-00843	SSH: The DSA option should be removed on WEB page
ES4528BH2-HPoE-0815-EC-00840	[Enhancement] SW WatchDog monitor GVRP_GROUP
ES4528BH2-HPoE-0815-EC-00839	IPv6 address prefix >64 for 4120 CLI
ES4528BH2-HPoE-0815-EC-00836	[TACACS] Since authorization is supported, it's not necessary to grant privilege automatically after authentication.
ES4528BH2-HPoE-0815-EC-00831	when port description length less then 8, web gui/snmp display problem
ES4528BH2-HPoE-0815-EC-00829	Support DHCP op82 remote-id "port description" only (without any remote-id prefix)
ES4528BH2-HPoE-0815-EC-00828	DHCPSNP option82 remote-id configure delimiter as 0(null), then Port Description field will not exist
ES4528BH2-HPoE-0815-EC-00835	ECS4120-28F Inserting SGMII RJ45 SFP at port 1-24 when boot-up, affect config.
ES4528BH2-HPoE-0815-EC-00872	ECS4120-28P PoE powering up PD for short period when warm rebooting even though the port is disable

Runtime V1.2.2.13; Loader V0.0.3.0

ES4528BH2-HPoE-0815-EC-00836	[TACACS] Since authorization is supported, it's not necessary to grant privilege automatically after authentication.
ES4528BH2-HPoE-0815-EC-00832	[TACACS] Keep authentication behaviour.
ES4528BH2-HPoE-0815-EC-00827	Enter the "break" hotkey then switch will print out the "SysRq" message on terminal..
ES4528BH2-HPoE-0815-EC-00825	MIB ,Getting the error while uploading in NNM
ES4528BH2-HPoE-0815-EC-00819	(MSTP_issue)MST configuration of spanning-tree is deleted by device after reboot in v1.2.2.20
ES4528BH2-HPoE-0815-EC-00786	DAI works incorrectly with IPSG static binding
ES4528BH2-HPoE-0815-EC-00796	DHCPv6: After change IPV6 with dhcp mode from AutoConfig, DUT cannot get DHCP ip address..
ES4528BH2-HPoE-0815-EC-00761	[XFER] Enhance XFER copy status message for UI.
ES4528BH2-HPoE-0815-EC-00731	[Enhance] ERPS with Multiple Instance
ES4528BH2-HPoE-0815-EC-00728	TWAMP prob and responder Support
ES4528BH2-HPoE-0815-EC-00643	[Enhance] SSH: Upgrade SSH to version 7.8p1
ES4528BH2-HPoE-0815-EC-00533	After LOIC-SSH attack, switch will lose management

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ES4528BH2-HPoE-0815-EC-00176	StaticRoute: Static route doesn't support MIB..
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Runtime V1.2.2.12; Loader V0.0.3.0

ES4528BH2-HPoE-0815-EC-00824	Load runtime to ECS4120-28F, the port status always shows link down.
ES4528BH2-HPoE-0815-EC-00823	shutdown port via port security then DRIVER_GROUP_TX counter increase and cause watchdog reboot

Runtime V1.2.2.10; Loader V0.0.3.0

ES4528BH2-HPoE-0815-EC-00812	prevent ECS4120-28Fv2-I(BID=12) downgrade firmware to v1.2.2.8 and below.
ES4528BH2-HPoE-0815-EC-00811	system description is incorrect on new hardware ECS4120-28Fv2-I(BID=12)
ES4528BH2-HPoE-0815-EC-00810	NTP: support to add or delete NTP IPv4/IPv6/hostname servers in SNMP private MIB
ES4528BH2-HPoE-0815-EC-00797	ZTPv6: After restart this ZTPv6 for 10 times, DUT failed to get IPV6 address.
ES4528BH2-HPoE-0815-EC-00795	DHCPv6: After restart DHCPv6 client on DUT continuously, system halted and show exception.
ES4528BH2-HPoE-0815-EC-00753	ZTPv6: After DUT fail to get bootfile, CLI show exception.

Runtime V1.2.2.9; Loader V0.0.3.0

ES4528BH2-HPoE-0815-EC-00807	The ERPS convergence time more than 600ms, shall be less than 50ms
ES4528BH2-HPoE-0815-EC-00801	new hw with board id 12 that 2 of 10G ports can not link-up and LED can not di[play

Runtime V1.2.2.8; Loader V0.0.3.0

ES4528BH2-HPoE-0815-EC-00733	[Enhancement] Support sticky mac behavior refinement.
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Runtime V1.2.2.7; Loader V0.0.3.0

ES4528BH2-HPoE-0815-EC-00800	[Enhance] DHCP server
ES4528BH2-HPoE-0815-EC-00799	switch still download config from TFTP server automatically even ip dhcp dynamic-provision is disabled.
ES4528BH2-HPoE-0815-EC-00798	Master unit rebooted with an error message and changed its state to Slave after boot up which impacts Automation test
ES4528BH2-HPoE-0815-EC-00794	After firmware upgrade and reboot, debug message print out continually.
ES4528BH2-HPoE-0815-EC-00792	[Enhancement] sflow enabled/disabled syslog
ES4528BH2-HPoE-0815-EC-00791	[enhance] error coding for QinQ default service MIB
ES4528BH2-HPoE-0815-EC-00783	remove OSPF related OID from MIB file, since 4120 does not support OSPF
ES4528BH2-HPoE-0815-EC-00780	[LLDP] Define default value for LLDP IPv6 address
ES4528BH2-HPoE-0815-EC-00769	We can't get the maximum management ip if we let the vlan interface get ipv6 interface by autoconfig.

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ES4528BH2-HPoE-0815-EC-00743	802.1ag-CFM-1170: TG1 will received tagged packets when Transmit LTM with MEP_2 destination address from DUT1PA
ES4528BH2-HPoE-0815-EC-00729	[enhance] remove the setting of /127 Management vlan interface IPv6/v6 support
ES4528BH2-HPoE-0815-EC-00684	MLDv1/v2 report/leave problem(33:33:00:00:00:01-02), L2/L3 table issue
ES4528BH2-HPoE-0815-EC-00353	MLDSNP: Multicast data can not flood to other ports even MLDSNP is disabled.

Runtime V1.2.2.6; Loader V0.0.3.0 (obsolete)

	New stacking HW with new port mapping

Runtime V1.2.2.5 rev; Loader V0.0.3.0

ES4528BH2-HPoE-0815-EC-00807	The ERPS convergence time more than 600ms, shall be less than 50ms
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Runtime V1.2.2.5; Loader V0.0.3.0

ES4528BH2-HPoE-0815-EC-00789	add bid 12 model name as ECS4120-28Fv2-I and Web display
ES4528BH2-HPoE-0815-EC-00788	change log level to alert when soft TX disable is detected.
ES4528BH2-HPoE-0815-EC-00787	SFP port can't link up
ES4528BH2-HPoE-0815-EC-00781	The lifetime of the IPv6 address shows wrong

Runtime V1.2.2.4; Loader V0.0.3.0

ES4528BH2-HPoE-0815-EC-00785	NTP: support show commands to display more detailed information from NTP daemon
ES4528BH2-HPoE-0815-EC-00784	[Enhance] Gets port status to link-down on GPON module insertion, which causes link-up first.
ES4528BH2-HPoE-0815-EC-00779	[enhance] add retry for soc_i2c_read_word_data() & soc_i2c_write_word_data().
ES4528BH2-HPoE-0815-EC-00778	[Enhancement] Porting PortSationMoveAction related codes for sticky mac.
ES4528BH2-HPoE-0815-EC-00773	the switch does not request ipv6 address after configure ipv6 address DHCP
ES4528BH2-HPoE-0815-EC-00767	Sflow: The enable/disable is only display trap:263&264, no ecs4120TrapsPrap node..
ES4528BH2-HPoE-0815-EC-00753	ZTPv6: After DUT fail to get bootfile, CLI show exception.
ES4528BH2-HPoE-0815-EC-00735	switch will forward the packet, even if the vlan state is suspend.
ES4528BH2-HPoE-0815-EC-00734	[Enhancement] Extend the characters of remote-id and circuit-id for DHCPSPNP option82 and PPPoEIA.
ES4528BH2-HPoE-0815-EC-00733	[Enhancement] Support sticky mac.

Runtime V1.2.2.3; Loader V0.0.3.0

ENGINEERING RELEASE NOTES

ES4528BH2-HPoE-0815-EC-00704	[Enhancement] add sw-tx-disable workaround.
ES4528BH2-HPoE-0815-EC-00732	Can't apply ERPS settings when unchecking the box "Admin Status ENABLE.
ES4528BH2-HPoE-0815-EC-00745	Thermal plan apply on ECS4120-28V2-I new layout and ECS4120-28F-I.
ES4528BH2-HPoE-0815-EC-00746	[12Tv2] Source photonic GPON transceiver (SPS-34-24T-HP-TDFO-RR) EEPROM info. partially missing or overlapped.
ES4528BH2-HPoE-0815-EC-00749	TACACS: The Global key would cover the server key.
ES4528BH2-HPoE-0815-EC-00750	FAN-Speed force-full command does not work.
ES4528BH2-HPoE-0815-EC-00751	NTP: The DUT doesn't send the NTP client packets when enable uthenticate and save/reboot.
ES4528BH2-HPoE-0815-EC-00755	ImageDownload: Response "Unsupported version number. Not updated.", but announce "Success"
ES4528BH2-HPoE-0815-EC-00760	authorization exec didn't work well.
ES4528BH2-HPoE-0815-EC-00762	ZTP can't autorun.
ES4528BH2-HPoE-0815-EC-00763	[Enhancement] add I2C operation without offset
ES4528BH2-HPoE-0815-EC-00764	When the share key is over 48, we will face watchdog reboot.
ES4528BH2-HPoE-0815-EC-00765	acctonruntime=1 add into default uboot environment.
ES4528BH2-HPoE-0815-EC-00766	The diag LED is always light red in ECS4120-28T.
ES4528BH2-HPoE-0815-EC-00768	After ipv6 dhcp-provision get and apply the configuration, the setting "ipv6 address dhcp" won't work well.
ES4528BH2-HPoE-0815-EC-00771	ECS4120-28F is unable restart ipv6 dynamic provision process after it's failed to get config from TFTP server.
ES4528BH2-HPoE-0815-EC-00772	Information is inconsistent "show run interface vlan id 1" and "show run".
ES4528BH2-HPoE-0815-EC-00774	VRRP change status will cause mac-learning invalid.
ES4528BH2-HPoE-0815-EC-00775	It always displays "AUTOCONFIG" in show ipv6 interface even it's DHCP mode.
ES4528BH2-HPoE-0815-EC-00776	Fixed need to press any key to trigger ZTP process.
ES4528BH2-HPoE-0815-EC-00777	Fixed need to press any key to trigger ZTP process - another test procedures

Runtime V1.2.2.2; Loader V0.0.2.7

ES4528BH2-HPoE-0815-EC-00756	MIB: There is no SFTP on MIB selection.
ES4528BH2-HPoE-0815-EC-00752	SYS_ADPT_MAX_NBR_OF_SWITCH_PORT_PER_CHIP is wrong.
ES4528BH2-HPoE-0815-EC-00748	new model "ECS4120-28Fv3-I"for bid 12 that support stacking (can not tested).
ES4528BH2-HPoE-0815-EC-00747	Static Mac-address-table entry won't work on lacp interface after reboot
ES4528BH2-HPoE-0815-EC-00744	When we want to set "clock timezone-predefined" by telnet, then switch crash.
ES4528BH2-HPoE-0815-EC-00740	[Enhancement] sflow enabled/disabled trap.
ES4528BH2-HPoE-0815-EC-00739	Set the snmp version 3 inform, we will face exception.
ES4528BH2-HPoE-0815-EC-00738	NTPv4 have long latency issue.
ES4528BH2-HPoE-0815-EC-00736	[WEB] Enhance CGI for range list.
ES4528BH2-HPoE-0815-EC-00721	STP state will flapping (non-fwd/fwd) when switch received the SyncE packet.

ENGINEERING RELEASE NOTES

ES4528BH2-HPoE-0815-EC-00715	EFM OAM remote-loopback test is abnormal.
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Runtime V1.2.2.1; Loader V0.0.2.7

ES4528BH2-HPoE-0815-EC-00741	Avoid new HW to load the old runtime image that is not supported new board id.
ES4528BH2-HPoE-0815-EC-00737	Get error message when we configure ntp server and client.
ES4528BH2-HPoE-0815-EC-00732	Can't apply ERPS settings when unchecking the box "Admin Status ENABLE" on web GUI.
ES4528BH2-HPoE-0815-EC-00730	[Enhancement] DUID Type 2 (DUID-EN) Support for DHCPv6 client
ES4528BH2-HPoE-0815-EC-00729	[Enhancement] /31 Management vlan interface IPv4 support
ES4528BH2-HPoE-0815-EC-00727	[Enhancement] new board id for ECS4120-28Fv2 /ECS4120-28Fv2-I for Web display
ES4528BH2-HPoE-0815-EC-00726	Reachability to Multiple TACACS server
ES4528BH2-HPoE-0815-EC-00725	[Enhancement] TransceiverAbsentTrap & TransceiverPresentTrap.
ES4528BH2-HPoE-0815-EC-00724	[Enhancement]ERPS trap.
ES4528BH2-HPoE-0815-EC-00720	NTP: The DUT will crash when configure the NTP server with IPv6 address and save/reboot.
ES4528BH2-HPoE-0815-EC-00719	NTP: Need to remove the polling time information on NTP version 4.
ES4528BH2-HPoE-0815-EC-00718	[Enhancement] Raw data have the mechanism for the bad data bit-flip for uboot
ES4528BH2-HPoE-0815-EC-00712	[Enhancement] use enhancement backdoor password
ES4528BH2-HPoE-0815-EC-00708	[Enhancement] LLDP IPv6 Support
ES4528BH2-HPoE-0815-EC-00706	Can't trigger the swSntpConnFailure trap..
ES4528BH2-HPoE-0815-EC-00679	DHCPv6 options and ZTP for IPv6:
ES4528BH2-HPoE-0815-EC-00655	system name was changed when configure interface vlan ip address
ES4528BH2-HPoE-0815-EC-00586	IPv6-AddrConfig-0670: No static neighbors exist in ipv6 neighbour table after adding 10 static neighbor.

Runtime V1.0.2.46; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00723	[Enhancement] ECS4120-28Fv2 instead of ECS4120-28Fv3.
ES4528BH2-HPoE-0815-EC-00717	Can't upload the new MIB for ECS4120 v1.0.2.45 which support dyingGaspMgt
ES4528BH2-HPoE-0815-EC-00716	[Enhancement] SFTP
ES4528BH2-HPoE-0815-EC-00714	enable IGMP proxy-reporting and inject numerous IGMP report/leave cause exception and reboot by watchdog
ES4528BH2-HPoE-0815-EC-00713	FS support the bit flip check in runtime image periodically
ES4528BH2-HPoE-0815-EC-00699	[Enhancement] Add smart pair Web page
ES4528BH2-HPoE-0815-EC-00484	WebUI: "Redundant Power Status" shall be removed because it does not support.

Runtime V1.0.2.45; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00710	[Enhancement] add exception log
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ES4528BH2-HPoE-0815-EC-00709	switch can't dump exception log & watchdog log via backdoor TFTP upload
ES4528BH2-HPoE-0815-EC-00707	[Enhancement] new board id for ECS4120-28Fv3-I.
ES4528BH2-HPoE-0815-EC-00705	[WEB] There is no place to configure ERPS VLAN-inclusion or exclusion.
ES4528BH2-HPoE-0815-EC-00703	Configure UserAuth info via SNMP fail
ES4528BH2-HPoE-0815-EC-00702	switch remark DSCP value when configure trust-mode to dscp
ES4528BH2-HPoE-0815-EC-00701	[WEB] Administration > ERPS, Configure Details page may be blank.
ES4528BH2-HPoE-0815-EC-00700	ve to remove SNMP TRAP swPowerStatusChangeTrap since hardware limitation.
ES4528BH2-HPoE-0815-EC-00698	IGMPSNP: Priority in multicast data can not be changed when change initial priority 0 to 1~7.
ES4528BH2-HPoE-0815-EC-00697	MLDSNP: The behavior is wrong when change unknown-multicast mode.
ES4528BH2-HPoE-0815-EC-00696	failed to bind egress ACL when apply output service-policy first
ES4528BH2-HPoE-0815-EC-00695	[Enhancement] Enable the smart pair
ES4528BH2-HPoE-0815-EC-00694	[Enhancement] Enable ERPS for open ring & VLAN excluded/included on ring port
ES4528BH2-HPoE-0815-EC-00691	Smart pair - rx counter > tx counter (smart pair link restore)
ES4528BH2-HPoE-0815-EC-00688	SmartPair: Port shutdown causing longer failover time. failover is > 50ms if applying shutdown command
ES4528BH2-HPoE-0815-EC-00670	ECS4120-28Fv2/ECS4120-28Fv2-I does not support media-type sfp-preferred-auto for combo port (21-22).
ES4528BH2-HPoE-0815-EC-00664	MVR: The multicast traffic that from non-source port is forwarded to the other source port even there is no group subscribe.
ES4528BH2-HPoE-0815-EC-00656	[Enhancement] Dying Gasp on ECS4120-28Fv2 & ECS4120-28Fv2-I
ES4528BH2-HPoE-0815-EC-00644	SW Enhance NTPv4
ES4528BH2-HPoE-0815-EC-00625	MLDSNP: DTU forwards double queries to other ports.
ES4528BH2-HPoE-0815-EC-00563	IGMP snooping v3:after disable and enable igmp snooping, DUT not forward the mc traffic after receive igmpv3 IS_in report.
ES4528BH2-HPoE-0815-EC-00559	IGMP-Snooping-1180:DUT did not work well with static/dynamic group.
ES4528BH2-HPoE-0815-EC-00153	IGMP-SNP: We can't enable igmp snooping immediate leave by host via SNMP..

Runtime V1.0.2.44; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00695	[Enhancement] Disable the smart pair
ES4528BH2-HPoE-0815-EC-00694	[Enhancement] Disable ERPS for open ring & VLAN excluded/included on ring port
ES4528BH2-HPoE-0815-EC-00693	BCM task get into infinite loop and consume over 90% CPU process.
ES4528BH2-HPoE-0815-EC-00689	MLD Snooping: When group is left, it will cause other group with same DA not forward
ES4528BH2-HPoE-0815-EC-00685	IGMPSNP: When IGMPSNP priority is changed, multicast data can not be forwarded to register
ES4528BH2-HPoE-0815-EC-00683	ipv6 multicast group which isn't learn on MLDSNP table isn't flooded to other ports.

ENGINEERING RELEASE NOTES

ES4528BH2-HPoE-0815-EC-00682	MLD snooping: do not flood ipv6 multicast traffic even disabling MDL snooping.
ES4528BH2-HPoE-0815-EC-00677	After reboot LAG not calculate on MSTP
ES4528BH2-HPoE-0815-EC-00642	MVR: Inject IGMP report overnight, DUT will auto reboot.
ES4528BH2-HPoE-0815-EC-00641	IGMP-Snooping: The unregistered group will be forwarded.
ES4528BH2-HPoE-0815-EC-00624	DHCP-SNP: The log format is incorrect as DUT failed to find egress port.
ES4528BH2-HPoE-0815-EC-00542	Root Cost for MST 0 instance display incorrect.
ES4528BH2-HPoE-0815-EC-00249	MLDSNP: Total entries always show 1.
ES4528BH2-HPoE-0815-EC-00173	Web: Please remove "Redundant Power Status" from WebUI. (It's not displayed on CLI)
ES4528BH2-HPoE-0815-EC-00113	Web: WebUI would logout automatically after idle 5 minutes.
ES4528BH2-HPoE-0815-EC-00062	CLI: It shows "Not present" on "Redundant Power Status" when show version/system.

Runtime V1.0.2.43; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00687	ERPS/Smart pair convergence value is > 1.5s if backup port is port 1 (primary port is 2 - 8)
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Runtime V1.0.2.42; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00676	[Enhancement]Force port link-down be detected if rx los interrupt is detected
ES4528BH2-HPoE-0815-EC-00675	after reboot will fail to config remote-id and circuit-id of option82 and PPPoEIA with space in string
ES4528BH2-HPoE-0815-EC-00671	IP address in arp inspection log are showing up reversed
ES4528BH2-HPoE-0815-EC-00666	MLD Snooping will let ping6 lose connect.
ES4528BH2-HPoE-0815-EC-00662	MVR: MVR priority does not work fine when priority is 7.
ES4528BH2-HPoE-0815-EC-00652	SmartPair: The time of Rx Lose is over then 50 ms that is not match customer requirement.
ES4528BH2-HPoE-0815-EC-00645	Log message in "show log flash" is cleared in case unplug power cord.
ES4528BH2-HPoE-0815-EC-00638	MVR: The behavior is wrong in maximum MVR group situation.
ES4528BH2-HPoE-0815-EC-00637	MLDSNP-proxy: SA and SIP are wrong when DUT sent the report to mrouter port.
ES4528BH2-HPoE-0815-EC-00595	After kill WTD OG_PROC, show log ram is incorrect (refined)
ES4528BH2-HPoE-0815-EC-00532	TACACS accounting:dut didnot suport "aaa authorization commands " setting or "show authorization Commands *"
ES4528BH2-HPoE-0815-EC-00526	When switch enable DHCP Snooping & IP source-guard, DHCP renew cause packet loss(ECS4100-28T)

Runtime V1.0.2.41; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00673	max mldsnp groups is 1023
ES4528BH2-HPoE-0815-EC-00672	MLDSNPV2 IS exclude group not learning
ES4528BH2-HPoE-0815-EC-00665	After enable mld snooping with ECS2100 mld querier, mld join report can't forward to mrouter port
ES4528BH2-HPoE-0815-EC-00663	CFM: When MEP receive some error CCM frames, the error/RX CCM count is

ENGINEERING RELEASE NOTES

	incorrect.
ES4528BH2-HPoE-0815-EC-00659	WebAuth: The webauth function is failure.
ES4528BH2-HPoE-0815-EC-00654	HP-NNMI MIB compiler error.
ES4528BH2-HPoE-0815-EC-00653	add missing value for fileCopyDestOperType in MIB file
ES4528BH2-HPoE-0815-EC-00648	1QVLAN: DUT does not reject to delete the native VLAN by WEB, it cause PC cannot ping to DUT.
ES4528BH2-HPoE-0815-EC-00636	MLDSNP-proxy: Received query from mrouter port would be flooded to other ports when IPv6 is enabled.
ES4528BH2-HPoE-0815-EC-00632	IP SourceGuard: The IPSG ACL mode cannot work.
ES4528BH2-HPoE-0815-EC-00631	If using Console login failed, the syslog could not send the syslog trap.
ES4528BH2-HPoE-0815-EC-00606	IGMP-SNP: When IGMP group reach maximum 1024 groups, the multicast data flood.
ES4528BH2-HPoE-0815-EC-00595	After kill WTD0G_PROC, show log ram is incorrect
ES4528BH2-HPoE-0815-EC-00553	LLDP web:LLDP remote port/trunk "port id" information display in web is not correct
ES4528BH2-HPoE-0815-EC-00551	CFM: The transmission interval of LBM and LTM is incorrect..
ES4528BH2-HPoE-0815-EC-00550	CFM: DUT should not learn aged LTR to linktrace cache.
ES4528BH2-HPoE-0815-EC-00549	CFM: DUT should not reply tagged LTR as it is untagged VLAN member.
ES4528BH2-HPoE-0815-EC-00499	loopback detection detects traffic loop even port is DOWN
ES4528BH2-HPoE-0815-EC-00465	CFM: DUT should reject to set this same MEP_ID with remote MEP.
ES4528BH2-HPoE-0815-EC-00460	Web-1QVLAN-0020:delete all vlan didnot successfully
ES4528BH2-HPoE-0815-EC-00329	WEB-1QVLAN: The membership mode should not be tagged if there was no other VLAN joint.
ES4528BH2-HPoE-0815-EC-00628	[Enhancement] Support ERPS for open ring & VLAN excluded/included on ring port
ES4528BH2-HPoE-0815-EC-00317	enabled proxy-switching still reply the IGMP querier when MVR source port receive the join report

Runtime V1.0.2.40; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00268	MLDSNP: DUT sent 2 G-S query even robustness value was changed to 5.
ES4528BH2-HPoE-0815-EC-00269	MLDSNP: Registered group is deleted before it's expire time timeout.
ES4528BH2-HPoE-0815-EC-00327	WEB-1QVLAN: The behavior in deleting VLANs from WEB encounter errors.
ES4528BH2-HPoE-0815-EC-00353	MLDSNP: Multicast data can not flood to other ports even MLDSNP is disabled.
ES4528BH2-HPoE-0815-EC-00357	Duplicate DHCP discover packet and maximum value of retransmission interval is not right
ES4528BH2-HPoE-0815-EC-00361	DHCP dynamic-provision does not work on the other VLANs except the default VLAN 1.
ES4528BH2-HPoE-0815-EC-00459	RSTP path cost will be fixed when static port-channel link up/down.
ES4528BH2-HPoE-0815-EC-00590	SNMPWALK but get error about sysResourceMgt

ENGINEERING RELEASE NOTES

ES4528BH2-HPoE-0815-EC-00615	Default configure each interface will be set to "ethernet cfm port-enable"
ES4528BH2-HPoE-0815-EC-00618	interface vlan IP(vlan 96) did not send the arp reply..
ES4528BH2-HPoE-0815-EC-00629	[Enhancement] Support Active/Standby static LAG
ES4528BH2-HPoE-0815-EC-00630	DDoS: The default priority is not modifying when the port had once the authenticated.

Runtime V1.0.2.39; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00355	ECS4100-52T sends LLDP packet with no "port description, system name and system description" field after receiving Huawei s
ES4528BH2-HPoE-0815-EC-00362	Huawei switch S2300 can't recognize ECS4100's LLDP packet with "dot1-tlv protocol identity".
ES4528BH2-HPoE-0815-EC-00369	MSTP: Change the instance priority, the traffic will stop and recover the issue after 6 mins. (same as ES4528BH2-HPoE-0815-EC-00369/373)
ES4528BH2-HPoE-0815-EC-00612	After disable then enable vlan on Web, vlan interface link down.
ES4528BH2-HPoE-0815-EC-00617	ipv6 mld proxy-reporting have no function
ES4528BH2-HPoE-0815-EC-00620	mld snooping : different member port inject the same join group packet, only the first one will be trapped to CPU
ES4528BH2-HPoE-0815-EC-00622	STP Alternate port does not discard VLAN tagged BPDU packets

Runtime V1.0.2.38; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00319	endian problem is present in the LuaSocket library
ES4528BH2-HPoE-0815-EC-00379	NTP-0040:dut did not handle NTP multiple servers well.
ES4528BH2-HPoE-0815-EC-00498	Static port-channel cause loopback detection enable global failed
ES4528BH2-HPoE-0815-EC-00520	CLI-Terminal-show any command about 10 times and set SNMP location will cause system crash..
ES4528BH2-HPoE-0815-EC-00614	MVR/IGMPSNP function to cause memory leak.
ES4528BH2-HPoE-0815-EC-00619	ECS4120 series drop OSPF/RIP/VRRP packets when IGMPSNP enable and disable then MVR enable.

Runtime V1.0.2.37; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00577	WebUI: transceiver-monitor cannot enable trap messages
ES4528BH2-HPoE-0815-EC-00604	ECS4120 series drop OSPF/RIP/VRRP packets when IGMPSNP or MVR is enabled..
ES4528BH2-HPoE-0815-EC-00611	[Enhancement] Use HW watchdog to monitor SW watchdog.
ES4528BH2-HPoE-0815-EC-00613	ipv6 mld query-drop command have no function

Runtime V1.0.2.36; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00456	[Enhancement] Maximum number of IGMP snooping group support to 1024.
ES4528BH2-HPoE-0815-EC-00459	RSTP path cost will be fixed when static port-channel link up/down.
ES4528BH2-HPoE-0815-EC-00525	static mac was deleted when switch enabled IPSPG mac mode and receive DHCP release packet

ENGINEERING RELEASE NOTES

ES4528BH2-HPoE-0815-EC-00528	[Enhancement] Banner support 2048 characters
ES4528BH2-HPoE-0815-EC-00456	[Enhancement] Maximum number of IGMP snooping group support to 1024.
ES4528BH2-HPoE-0815-EC-00459	RSTP path cost will be fixed when static port-channel link up/down.
ES4528BH2-HPoE-0815-EC-00525	static mac was deleted when switch enabled IPSP mac mode and receive DHCP release packet
ES4528BH2-HPoE-0815-EC-00528	[enhancement] Banner support 2048 characters
ES4528BH2-HPoE-0815-EC-00530	Switch did not write the ARP entry when user access to switch via craft port.
ES4528BH2-HPoE-0815-EC-00531	TACACS accounting:dut didnt suport "show authorization exec"
ES4528BH2-HPoE-0815-EC-00534	remove accton string when boot up
ES4528BH2-HPoE-0815-EC-00536	Traffic control min threshold is 500 pps, we want minimal value possible be lower, in example down to 10 pps
ES4528BH2-HPoE-0815-EC-00539	Europe summer time end date is incorrect
ES4528BH2-HPoE-0815-EC-00541	change spanning-tree mode will make the traffic stop.
ES4528BH2-HPoE-0815-EC-00543	Fail to telnet EC switch(ECS4120) from Cisco device
ES4528BH2-HPoE-0815-EC-00544	sflow packet agent address display wrong.
ES4528BH2-HPoE-0815-EC-00545	switch could still learn the mac-address which belong none-vlan member even if enable the ingress filtering.
ES4528BH2-HPoE-0815-EC-00547	sflow sample packet doesn't include IPv4 information.
ES4528BH2-HPoE-0815-EC-00548	Failed to set the TACACS+ server for aaa accounting dot1x.
ES4528BH2-HPoE-0815-EC-00546	[Enhancement] ECS4120 support 2.5G transceiver on the 10G uplink port
ES4528BH2-HPoE-0815-EC-00566	LACP: The ingress Filter is failed when meets specific packets
ES4528BH2-HPoE-0815-EC-00588	[Enhancement] Support read Total/Dynamic/Static mac count by SNMP
ES4528BH2-HPoE-0815-EC-00599	[Enhancement] unify the design of configuration for jumbo frame

Runtime V1.0.2.35; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00449	FAN control for new model 28F-I ,28F-V2 and 28FV2-I.
ES4528BH2-HPoE-0815-EC-00529	Disable LBD trigger a LBD recover log.

Runtime V1.0.2.34; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00455	[Enhancement] support accounting of commands..
ES4528BH2-HPoE-0815-EC-00521	Update MIB file for create time range from SNMP
ES4528BH2-HPoE-0815-EC-00524	MSTP recovery time is too long 30~50 sec.

Runtime V1.0.2.33; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00364	DoS: Use LOIC to attack port 22, CLI has no response and DUT reboot by watchdog.
ES4528BH2-HPoE-0815-EC-00448	PPPoEIA can't work with QinQ

ENGINEERING RELEASE NOTES

ES4528BH2-HPoE-0815-EC-00518	switch dropped RSVP PATH packets.

Runtime V1.0.2.32; Loader V0.0.2.6

	build en-us image (English Web interface) and remove zh-cn in this version.
	Update the oid of 28Fv2-I model in adpt.h (RD internal)

Runtime V1.0.2.31; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00445	STP TCN log format change, and don't log TC
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ES4528BH2-HPoE-0815-EC-00450	[Enhancement] Add board id 9 for 28Fv2-I
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ES4528BH2-HPoE-0815-EC-00451	[IGMP filter] the multicast traffic does not match rule, but it still will be forwarded..
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ES4528BH2-HPoE-0815-EC-00466	Link state of LACP trunk member port changes between up and down repeatedly
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ES4528BH2-HPoE-0815-EC-00511	SNMP: The value of OID "lldpRemManAddrIfId" remove ".0" at the end.
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ES4528BH2-HPoE-0815-EC-00512	28FV2 enhance function via rx loss signal detection
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Runtime V1.0.2.29; Loader V0.0.2.6

	build en-us image (English Web interface) and remove zh-cn in this version.

Runtime V1.0.2.28; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00444	enhance: add zh-cn for EC
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ES4528BH2-HPoE-0815-EC-00447	10G port does not link-up issue on ECS4120-28F(V1.0.2.26)..

Runtime V1.0.2.27; Loader V0.0.2.6

	10G port does not link-up issue on ECS4120-28F(V1.0.2.26)..
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Runtime V1.0.2.26; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00441	new oid from EC for each ECS4120 model.
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Runtime V1.0.2.25; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00431	There is a typo on the DHCP L3 Relay help page.
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Runtime V1.0.2.24; Loader V0.0.2.6

ENGINEERING RELEASE NOTES

ES4528BH2-HPoE-0815-EC-00359	After reload , CPU Utilization incorrect bigger than 800M
ES4528BH2-HPoE-0815-EC-00411	Non-UDP multicast packet will flooding
ES4528BH2-HPoE-0815-EC-00386	new 28F Diag Suuport for LED , reset button test (support ECS4120-28Fv2)

Runtime V1.0.2.23; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00381	loopback detection log messages are incorrect
ES4528BH2-HPoE-0815-EC-00392	SNMPWALK error message
ES4528BH2-HPoE-0815-EC-00393	Interface information should be removed if it's in L3 relay mode.
ES4528BH2-HPoE-0815-EC-00395	Port security port move on DHCP SNP issue.
ES4528BH2-HPoE-0815-EC-00396	WEB: DUT lose L3 DHCP-Relay description in Help page..
ES4528BH2-HPoE-0815-EC-00397	WEB: DUT should display correct L2/L3 Relay description in WEB page..
ES4528BH2-HPoE-0815-EC-00398	DHCP Relay: DUT should support to switch this L2/L3 Relay by WEB.
ES4528BH2-HPoE-0815-EC-00399	ECS4120 mini console port should be removed from webpage.
ES4528BH2-HPoE-0815-EC-00401	Inject the LLDP packet, then dashboard and show remote device information will empty.
ES4528BH2-HPoE-0815-EC-00382	[Enhancement]Support new board with board id 7(28F add i2C interface)

Runtime V1.0.2.22; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00363	DHCPv6 client can't get ip address when enable IPv6 source guard
ES4528BH2-HPoE-0815-EC-00367	FW: LACP(When DUT has enable LACP and connect other switch at port 28, ping will fail.).
ES4528BH2-HPoE-0815-EC-00370	snmpEngineTime didn't reset the value even switch reboot.
ES4528BH2-HPoE-0815-EC-00371	[Telnet] After tool "LOIC" TCP:23port attack, modified thread pool for telnetd & tnshd.
ES4528BH2-HPoE-0815-EC-00375	[WEB] Need to support panel for board ID 8
ES4528BH2-HPoE-0815-EC-00378	[Enhancement] switching B/W L2 DHCP relay and L3 DHCP relay
ES4528BH2-HPoE-0815-EC-00380	remove "private-vlan" feature
ES4528BH2-HPoE-0815-EC-00391	SNMP_TD crash

Runtime V1.0.2.21; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00332	STP : DUT2 console is down when spanning tree mode is stp
ES4528BH2-HPoE-0815-EC-00336	IP-Cluster: Commander auto reboots after it logs off member switch.
ES4528BH2-HPoE-0815-EC-00338	IGMP-SNP: After remove vlan, an exception occurs.
ES4528BH2-HPoE-0815-EC-00339	TACACS+: The DUT will crash and reboot automatically when delete the tacacs key and login the local account.
ES4528BH2-HPoE-0815-EC-00348	memory leakage when injecting specific lldp packets

Runtime V1.0.2.20; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00335	ECS4120-28F combo port stop forwarding when shutdown eth1/22.
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ENGINEERING RELEASE NOTES

Runtime V1.0.2.19; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00314	SNMP: Use SNMP get some MIB object, DUT return incorrect value.
ES4528BH2-HPoE-0815-EC-00347	rate limit input works incorrect.
ES4528BH2-HPoE-0815-EC-00354	Mib compile error

Runtime V1.0.2.18; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00331	switch didn't forward General Query to client.
ES4528BH2-HPoE-0815-EC-00333	switch stops sending syslog trap to server
ES4528BH2-HPoE-0815-EC-00334	IP-Cluster: IP Cluster Web Management Failed
ES4528BH2-HPoE-0815-EC-00340	switch still send schedule report to all MVR source port
ES4528BH2-HPoE-0815-EC-00343	Spanning-tree: We cannot enable the STP mode from WEB.
ES4528BH2-HPoE-0815-EC-00345	RADIUS-Acct: The console and Web of accounting information that is mismatch

Runtime V1.0.2.17; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00344	enhance: new board id 8 for ECS4120-28F-I
	New thermal plan for Industry spec.

Runtime V1.0.2.15; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00321	remove transceiver info and option from WEB GUI
ES4528BH2-HPoE-0815-EC-00326	For 28-SFP : Remove transceiver-monitor, transceiver-threshold, transceiver-threshold-auto from CLI

Runtime V1.0.2.14; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00245	[Enhanced] policy map support set ip dscp
ES4528BH2-HPoE-0815-EC-00284	IGMP profile : display issue & configuration can't be saved
ES4528BH2-HPoE-0815-EC-00293	ERPS: Data can't be forwarded while cross chip.
ES4528BH2-HPoE-0815-EC-00298	EFM-OAM: There is no oamMgt MIB node.
ES4528BH2-HPoE-0815-EC-00300	EFM-OAM: The OAM PDU formate is incorrect.
ES4528BH2-HPoE-0815-EC-00301	EFM-OAM: EFM-OAM is not compatible with other device.
ES4528BH2-HPoE-0815-EC-00302	EFM-OAM: The OAM dying-gasp bit is always true.
ES4528BH2-HPoE-0815-EC-00303	TACACS+: The DUT will reboot automatically when user logins the DUT by TACACS account, but the TACACS key is mismatch.
ES4528BH2-HPoE-0815-EC-00311	L2SW: DUT cannot forward packets to destination through different chip..

Runtime V1.0.2.13; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00295	WEB: DUT should support the CFM Help page.
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ENGINEERING RELEASE NOTES

ES4528BH2-HPoE-0815-EC-00297	Enhancement OAM IEEE 802.3ah EFM.
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Runtime V1.0.2.12; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00266	Add ERPS and CFM.
ES4528BH2-HPoE-0815-EC-00273	change EEE default to disable.

Runtime V1.0.2.11; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00270	ECS4120-28F media-type sfp-forced 100fx after reboot will linkup as 1000full..
ES4528BH2-HPoE-0815-EC-00272	ECS4120-28T/F 10G port(1/25-28) could not linkup on 1G speed with ECS4210 series 1G SFP port..

Runtime V1.0.2.10; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00080	RMON2: This trap host cannot be configured successfully.
ES4528BH2-HPoE-0815-EC-00155	LLDP: DUT can't sent shutdown TLV after port shutdown.
ES4528BH2-HPoE-0815-EC-00202	correction to grammar for reload command
ES4528BH2-HPoE-0815-EC-00203	correction to spelling for "show access-list tcam-utilization" command
ES4528BH2-HPoE-0815-EC-00206	HTTPs: The https certificate information is incorrect.
ES4528BH2-HPoE-0815-EC-00207	The DUT will crash and reboot when telnet attack of DDOS
ES4528BH2-HPoE-0815-EC-00209	correction to grammar, change "regularity" to "regularly"
ES4528BH2-HPoE-0815-EC-00210	Interface > Port > History => interval has no unit of measure
ES4528BH2-HPoE-0815-EC-00213	HelpPage: The help page of system will show "404 not found".
ES4528BH2-HPoE-0815-EC-00214	IP Source Guard: The default maximum binding number is incorrect..
ES4528BH2-HPoE-0815-EC-00217	LLDP: Some typo need to be modify in help page..
ES4528BH2-HPoE-0815-EC-00219	Dashboard: Switch events will be overlapped when multiple levels are existed.
ES4528BH2-HPoE-0815-EC-00220	DHCP Relay: DUT should not forward DHCP-Request repeatedly as it is Relay agent.
ES4528BH2-HPoE-0815-EC-00224	DHCP-Client: It shows maximum DHCP client ID could be 64, but actually it only accept 32 digits.
ES4528BH2-HPoE-0815-EC-00240	non-native vlan mgmt. IP will dropped when VLAN-1 was "ip address dhcp".
ES4528BH2-HPoE-0815-EC-00242	PPPoE-IA: We can't configure remote-id delimiter by WEB.
ES4528BH2-HPoE-0815-EC-00246	wrong format for igmpSnoopProfileRangeTable
ES4528BH2-HPoE-0815-EC-00250	MLDSNP: Implement statistics on WebUI.
ES4528BH2-HPoE-0815-EC-00251	MLDSNP: Some show commands caused DUT to crash and reboot.
ES4528BH2-HPoE-0815-EC-00252	WEB: Some items between WEB/Help/Site Map are mismatch.
ES4528BH2-HPoE-0815-EC-00253	The more the help page will showing the "404 not found" message.
ES4528BH2-HPoE-0815-EC-00254	SNMP: We can't access private MIB node by MG-Soft.
ES4528BH2-HPoE-0815-EC-00255	IGMP-SNP: When DUT receive leave message in maximum group contidition, all data flooded.
ES4528BH2-HPoE-0815-EC-00256	ARP: Add the static arp entry, the DUT will still send ARP packets.

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ES4528BH2-HPoE-0815-EC-00257	switch default value : ingress-filtering should be disabled
ES4528BH2-HPoE-0815-EC-00258	Interface > Port > History --> no unit of measure
ES4528BH2-HPoE-0815-EC-00259	ECS4120-28F 1G SFP failed to linkup on 1G port
ES4528BH2-HPoE-0815-EC-00260	remove IEEE 802.1ag (CFM) and ERPS
ES4528BH2-HPoE-0815-EC-00263	[Fan] Implement new thermal plan

Runtime V1.0.2.9; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00042	enhancement 8032 ERPS
ES4528BH2-HPoE-0815-EC-00140	802.1X-VLAN: The DUT does not assign the guest Vlan by 802.1X authentication..
ES4528BH2-HPoE-0815-EC-00163	ARP: Can't create the static ARP entry.
ES4528BH2-HPoE-0815-EC-00222	switch can't learn arp correctly when DAI enabled
ES4528BH2-HPoE-0815-EC-00225	The help page of web will show the "404 not found" message..
ES4528BH2-HPoE-0815-EC-00226	IP Source Guard: The display parameters and item don't arrange in binding table neatly.
ES4528BH2-HPoE-0815-EC-00227	Help: RSPAN session ID shall be only 1.
ES4528BH2-HPoE-0815-EC-00229	IGMP-SNP: When multicast group reach to maximum value, most of data flooded.
ES4528BH2-HPoE-0815-EC-00230	IPv6-MLD-SNP: Send IPv6 MLD SNP Query packet with FE80::4 will cause DUT crash.
ES4528BH2-HPoE-0815-EC-00231	IGMP-Snooping: Self querier expired time should not be count down if Querier is disabled.
ES4528BH2-HPoE-0815-EC-00232	WEB: DUT lose the "Relay" Help page..
ES4528BH2-HPoE-0815-EC-00233	DHCP Snooping: The display parameters and item don't arrange in interface-list neatly.
ES4528BH2-HPoE-0815-EC-00234	WEB: DUT lose the "DHCP Snooping" Help page, and it return error.
ES4528BH2-HPoE-0815-EC-00235	DAI: We can't specify target IP/MAC in ARP ACL.
ES4528BH2-HPoE-0815-EC-00236	IGMP-SNP(help): The maximum multicast groups value in help is incorrect.
ES4528BH2-HPoE-0815-EC-00237	DUT console hang on when MGMT port setting ip address.
ES4528BH2-HPoE-0815-EC-00238	LLDP(help): Remove ECS4510 related from help page.
ES4528BH2-HPoE-0815-EC-00241	Client-PC can't authorize with Radius if we are not configure static IP at VLAN-1.

Runtime V1.0.2.8; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00054	VLAN-Translation: The help page of web will show the "404 not found" message.
ES4528BH2-HPoE-0815-EC-00059	DAI: After setting ARP inspection can't get the gateway mac address.
ES4528BH2-HPoE-0815-EC-00063	Web: Got "404 Not Found" after click Interface>RSTP>?
ES4528BH2-HPoE-0815-EC-00074	ECS4120 dynamic QoS support egress rate-limiting
ES4528BH2-HPoE-0815-EC-00097	IGMP-SNP: When multicast entry over 1023, the multicast data will be flooded.
ES4528BH2-HPoE-0815-EC-00100	RSTP:: When the release mode set to manual, the loop-detection action cannot work.

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ES4528BH2-HPoE-0815-EC-00125	Time-Range: Perodic rule can't be saved properly.
ES4528BH2-HPoE-0815-EC-00134	Spanning-tree: When we loop the Ports of DUT, this spanning-tree status is wrong.
ES4528BH2-HPoE-0815-EC-00135	Spanning-tree: When DUT detect spanning-tree loop-detection, it cannot detect traffic loops which happened on other ports.
ES4528BH2-HPoE-0815-EC-00145	CoS: Change phb-queue is not working.
ES4528BH2-HPoE-0815-EC-00161	Boot: POST_Main: READ EPLD_VERSION INFORMATIN fail, I2C device 0x2f write error
ES4528BH2-HPoE-0815-EC-00177	StaticRoute: IPv6 routing entry doesn't be showed on WebUI.
ES4528BH2-HPoE-0815-EC-00184	Time-Range: Periodic weekdays time range entry would disappear after save the config and reboot the device.
ES4528BH2-HPoE-0815-EC-00187	CLI: (ECS4120-28P) It's always displayed "No SFP inserted" on ports 1-24 when SFP is inserted indeed.
ES4528BH2-HPoE-0815-EC-00188	L2SW: The copper port LED is incorrect.
ES4528BH2-HPoE-0815-EC-00208	IP Source Guard: We cannot create maximum binding entries on DUT.
ES4528BH2-HPoE-0815-EC-00216	IGMP-Filter: MVR can't work with IGMP filter.
ES4528BH2-HPoE-0815-EC-00228	change the default value from EC

Runtime V1.0.2.7; Loader V0.0.2.6

	Fix the diag LED test issue
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Runtime V1.0.2.6; Loader V0.0.2.6

	Add Web help page
ES4528BH2-HPoE-0815-EC-00027	does not support switchport mode access
ES4528BH2-HPoE-0815-EC-00043	Pv6 ACL does not support next header & not support tcp/udp port No
ES4528BH2-HPoE-0815-EC-00049	extend IPv6 ACL add SIP.
ES4528BH2-HPoE-0815-EC-00051	NTP: The DUT doesn't send the request packets of ntp.
ES4528BH2-HPoE-0815-EC-00055	CLI: Boot information shows one error message.
ES4528BH2-HPoE-0815-EC-00057	IP Source Guard: After we enable IPSG, DUT cannot forward security IP traffic.
ES4528BH2-HPoE-0815-EC-00061	HW: Diag led is lit red on 28T/52T/28P, and lit amber on 28F
ES4528BH2-HPoE-0815-EC-00076	DHCP Snooping : follow new design. Independent DHCP-SNP tab
ES4528BH2-HPoE-0815-EC-00077	IPSG : support independent binding table, ACL mode, MAC mode ,static-filtering
ES4528BH2-HPoE-0815-EC-00081	DHCP-Snooping: After we remove port member from trunk, DUT show unknown information.
ES4528BH2-HPoE-0815-EC-00082	DHCP-SNP: DUT should not drop unicast DHCP-Request packets.
ES4528BH2-HPoE-0815-EC-00084	DHCP-SNP: When the DHCP-Client move to another port, DUT create wrong DHCP-SNP binding.
ES4528BH2-HPoE-0815-EC-00085	IP Source Guard: When we enable DHCP-SNP and IPSG with MAC mode; DUT should not discard all DHCP-Request packets.
ES4528BH2-HPoE-0815-EC-00094	DHCP-SNP: When DUT receive unicast DHCP-Reply packets, DUT does not create DHCP-SNP entry..

ENGINEERING RELEASE NOTES

ES4528BH2-HPoE-0815-EC-00095	DHCP-SNP: DUT should limit the DHCP Snooping maximum binding number; and it should drop unnecessary DHCP-Request packets.
ES4528BH2-HPoE-0815-EC-00108	ACL: 802.3 filter in MAC ACL in egress directon is useless..
ES4528BH2-HPoE-0815-EC-00109	ACL: IP ACL is useless when packets are filtered by MAC ACL first.
ES4528BH2-HPoE-0815-EC-00115	IGMP-Filter: Create IGMP profile with multiple range entry, it will merge to incorrect entry.
ES4528BH2-HPoE-0815-EC-00116	IGMP-SNP: IGMP snooping statistics query displayed incorrect value.
ES4528BH2-HPoE-0815-EC-00123	DHCP-SNP: DUT cannot learn maximum binding..
ES4528BH2-HPoE-0815-EC-00131	MLDSNP: ICMPv6 checksum in GS query sent from DUT is incorrect.
ES4528BH2-HPoE-0815-EC-00137	802.1X: The supplicant does not authenticated when port-operation mode is single host or mac-base.
ES4528BH2-HPoE-0815-EC-00138	IPV4 Address: DUT cannot send out unicast DHCP-Request packets.
ES4528BH2-HPoE-0815-EC-00141	SMTP: DUT sent incorrect mail level after reboot.
ES4528BH2-HPoE-0815-EC-00143	802.1X: The eapol-pass-through doesn't work
ES4528BH2-HPoE-0815-EC-00149	CLI: There is no debugging message when run "show debug ip dhcp snooping"
ES4528BH2-HPoE-0815-EC-00152	IP Source Guard: DUT should reject to create IPSG entry over maximum binding limit.
ES4528BH2-HPoE-0815-EC-00154	LLDP-MED: Non PoE device (52T) sent Power-via-MDI TLV.
ES4528BH2-HPoE-0815-EC-00157	RSPAN: Got "DEV_SWDRV_SetRspanVlanTag(): Line = 16077 ,
ES4528BH2-HPoE-0815-EC-00160	DHCP-SNP: When one client get IP, but DUT should not create over 9000 entries.
ES4528BH2-HPoE-0815-EC-00165	ARP: The Proxy-ARP doesn't work.
ES4528BH2-HPoE-0815-EC-00166	ImageMgmt: The old image version will upgrade automatically when configure the auto upgrade settings

Runtime V1.0.2.0; Loader V0.0.2.6

ES4528BH2-HPoE-0815-EC-00020	ECS4120 switch hangs up because of port security or show mac-table
ES4528BH2-HPoE-0815-EC-00022	If this model does not support location-LED, please remove this command
ES4528BH2-HPoE-0815-EC-00023	does not support show spanning-tree brief
ES4528BH2-HPoE-0815-EC-00024	does not support show run i e 1/x
ES4528BH2-HPoE-0815-EC-00025	ECS4210 should remove craft interface from ECS4120-28T
ES4528BH2-HPoE-0815-EC-00026	Should remove this command, because it's fan-less design.
ES4528BH2-HPoE-0815-EC-00029	Support usbdisk ? If No, please remove command "umount" .
ES4528BH2-HPoE-0815-EC-00030	does not support cable-diag
ES4528BH2-HPoE-0815-EC-00031	QinQ: TPID is set on the interface, but it actually should be set on global. .
ES4528BH2-HPoE-0815-EC-00033	Non-spanning tree loopback detection
ES4528BH2-HPoE-0815-EC-00044	IPv6 standard ACL support source IP only
ES4528BH2-HPoE-0815-EC-00046	IGMP-SNP: The value is incorrect when we set proxy query address by SNMP.
ES4528BH2-HPoE-0815-EC-00047	IGMP-SNP: Perform SNMP walk for igmpSnoopMulticastGroupPorts/igmpSnoopMulticastGroupStatus can't be stop.

ENGINEERING RELEASE NOTES

ES4528BH2-HPoE-0815-EC-00048	Enhancement support ipv4 & ipv6 static routing
ES4528BH2-HPoE-0815-EC-00052	WebAuth: Cannot open the web authentication page when user login the web management from https protocol.
ES4528BH2-HPoE-0815-EC-00053	Web: Front panel and System Switch page are wrong on WebUI.
ES4528BH2-HPoE-0815-EC-00058	UserAuth-Remote: The DUT will dump error message and reboot automatically
ES4528BH2-HPoE-0815-EC-00064	Performance: Packet loss when run 2 pairs 10G over 8K
ES4528BH2-HPoE-0815-EC-00065	ATC: Forwarding rate is not 128kpps(default Alarm Clear Threshold) by default when broadcast ATC is triggered. .
ES4528BH2-HPoE-0815-EC-00066	LLDP: The LLDP local device information is incorrent. .
ES4528BH2-HPoE-0815-EC-00069	DHCP relay option 82 (per port + per vlan mode)..
ES4528BH2-HPoE-0815-EC-00078	MSTP instance extended to 64
ES4528BH2-HPoE-0815-EC-00079	RMON: The oversize and jabbers counter cannot work.
ES4528BH2-HPoE-0815-EC-00086	RSPAN: First session source port setting will be copied to other sessions when show running/startup.
ES4528BH2-HPoE-0815-EC-00087	StormCtrl: Broadcast control is not accurate when it's 1518 bytes broadcast stream..
ES4528BH2-HPoE-0815-EC-00088	MAC-VLAN: CLI cannot create MAC-VLAN entry with mask, but WEB can configure mask. .
ES4528BH2-HPoE-0815-EC-00089	MAC-VLAN: After we create MAC-VLAN entry with mask, DUT cannot forward all MAC-VLAN traffic. .
ES4528BH2-HPoE-0815-EC-00110	LLDP: The TLV value of system capabilities are incorrect.
ES4528BH2-HPoE-0815-EC-00111	Web: Media-type shows unknown characters
ES4528BH2-HPoE-0815-EC-00112	Web: Switch information is always show "undefined".
ES4528BH2-HPoE-0815-EC-00116	IGMP-SNP: IGMP snooping statistics query displayed incorrect value.
ES4528BH2-HPoE-0815-EC-00117	MSTP: Current maximum instance of MSTP extended is 33(create 32 entries + 0 instance)
ES4528BH2-HPoE-0815-EC-00121	MIB: No such object when get cpuCurrentUti.0 from MIB-browser
ES4528BH2-HPoE-0815-EC-00124	CableDiag: No the test item of cable-diagnostics on web management
ES4528BH2-HPoE-0815-EC-00126	PoE: High power command shall be removed. .
ES4528BH2-HPoE-0815-EC-00129	CoS: CLI can't stop display queue mode after press other key.
ES4528BH2-HPoE-0815-EC-00150	LACP: After save configuration and power off/on DUT, runtime will be disappeared..
ES4528BH2-HPoE-0815-EC-00156	RateLimit: Ratelimit is not working on trunk (52T).

Any other problems than those listed above should be reported to our Technical Support Staff.

ENGINEERING RELEASE NOTES

KNOWN RESTRICITIONS AND LIMITATIONS:

	Support one group for PORT MIRROR, and support one group for RSPAN. PORT MIRROR and RSPAN is mutually exclusive.
	SFP(ECS4120-28F) model, there is no SFP information from port 1 to port 24.
	not support sfp-preferred-auto in ECS4120 28F
	IGMP group is 255 but ASIC vendor data sheet described is 256 because 1 group is reserved by default.
	efm oam remote-loopback test but not receive the loopback test packet when spanning tree status is block.
	10G port with ET4502-DAC-5M and 3M link DOWN with 10Gbps, 1M do not have this issue
	Due to HW limitation, ERPS is work as excepted on ECS4120-28FV2 or ECS4120-28FV2-I for fail recovery time ([ITU-T G.808.1]) for a failure on a ring link shall be less than 50 ms). It can not work on the copper port. It also can not support on the SFP module that do not support the RX Loss signal, and the DAC cable also can not be supported.
	Due to ASIC limitation, mac-vlan don't support mask option
ES4528BH2-HPoE-0815-EC-00327	The browser need IE 9+, Chrome 54+, Firefox 52+ or Opera 41+ for this case: WEB-1QVLAN: The behavior in deleting VLANs from WEB encounter errors
ES4528BH2-HPoE-0815-EC-00741	avoid new HW to load the old runtime image that is not supported new board id, (v1.2.2.1 can not download the image version less than v1.0.2.45)
	Dying gasp HW supported on ECS4120-28Fv2-I (newLayout, stacking) bid 12