Gigabit Ethernet Switch ECS4530-54csfp

***Phase 1 Firmware Version 1.1.78.223***

**INTRODUCTION:**

The ECS4530-54CSFP is a 44\*1G CSFP ports plus 4\*1G combo(CSFP + GE) ports plus 4\*10G SFP+ plus 2\*20G QSFP+ Switch, with AC Power.

The ECS4530-54CSFP-DC-I is a 44\*1G CSFP ports plus 4\*1G combo(CSFP + GE) ports plus 4\*10G SFP+ plus 2\*20G QSFP+ Switch, with DC Power.

Local Console Management (LCM) allows the user to monitor and configure the ECS4530-54CSFP/ ECS4530-54CSFP-DC-I from a VT-type terminal. LCM can be used to configure features such as SNMP community names and access rights, Port Enable/Disable, firmware downloads, and Device IP address as well as most other parameters. LCM can also provide statistical and diagnostic information about the entire device or an individual port.

Management of the switch is password protected; the same password is used for LCM and for the Web browser interface. Prior to accessing the Management Module via a network connection, a valid IP address, subnet mask, and in some cases a default gateway must be configured using an out-of-band connection or the DHCP protocol. The management option provides SNMP, RMON (4 groups: 1,2,3,9), and Web management for system control and statistical monitoring.

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

Firmware Specification:

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| **Status** | **Version No.** | **Type** | **Release Date** |
| Testing | 1.1.78.223  (Commit 83480bcd) | EIT/TS Test Version | 2022/8/22 |
| Testing | 1.1.77.221  (Commit 21e75db1) | EIT/TS Test Version | 2022/3/14 |
| Testing | 1.1.76.214  (Commit 613bd66c) | EIT/TS Test Version | 2021/12/8 |
| Testing | 1.1.75.214  (Commit f65825b1) | EIT Test Version | 2021/11/29 |
| Testing | 1.1.74.213  (Commit c42d20ec) | EIT/TS Test Version | 2021/08/24 |
| Testing | 1.1.73.212  (Commit 2d66b1dd) | EIT/TS Test Version | 2021/06/02 |
| Testing | 1.1.72.204  (Commit dd0b68f0) | NTC Test Version  Gitlab:DEV\_ECS4530-Phase1 Branch (2020/11/24) | 2020/11/24 |
| Testing | 1.1.71.204(Add new board)  (Commit dd0b68f0) | NTC Test Version  Gitlab:DEV\_ECS4530-Phase1 Branch (2020/10/14) | 2020/10/14 |
| Testing | 1.1.70.202  (Commit 93d65471) | NTC Test Version  Gitlab:DEV\_ECS4530-Phase1 Branch (2020/06/23) | 2020/06/23 |
| Testing | 1.1.2.194  (Commit 85606ebf) | NTC Test Version  Gitlab:DEV\_ECS4530-Phase1 Branch (2019/11/14) | 2019/11/14 |
| Testing | 1.1.1.194  (Commit c05b1d48) | NTC4 Test Version  Gitlab:DEV\_ECS4530-Phase1 Branch (2019/11/05) | 2019/11/05 |
| Testing | 1.1.0.194  (Commit 0fbb8b6d) | EIT4 Test Version  Gitlab:DEV\_ECS4530-Phase1 Branch (2019/10/24) | 2019/10/24 |
| Testing | 1.0.5.193  (Commit 00576099) | NTC3 Test Version  Gitlab:DEV\_ECS4530-Phase1 Branch (2019/09/30) | 2019/09/30 |
| Testing | 1.0.4.193  (Commit 58e395df) | EIT3 Test Version  Gitlab:DEV\_ECS4530-Phase1 Branch (2019/09/27) | 2019/09/27 |
| Testing | 1.0.3.193  （Commit b168bb7） | NTC2 Test Version  Gitlab:DEV\_ECS4530-Phase1 Branch (2019/09/05) | 2019/09/05 |
| Testing | 1.0.2.193  （Commit 2c3a74e） | EIT2 Test Version  Gitlab:DEV\_ECS4530-Phase1 Branch (2019/08/02) | 2019/08/30 |
| Testing | 1.0.1.193  (Commit 19d8492) | NTC1 Test Version  Gitlab:DEV\_ECS4530-Phase1 Branch (2019/08/02) | 2019/08/02 |
| Testing | 0.1.0.1 (Commit 972e1a6) | EIT1 Test Version  Gitlab:DEV\_ECS4530-Phase1 Branch (2019/7/19) | 2019/7/19 |
| Testing | 0.1.0.1 (Commit 727dff3) | EIT0(2) Test Version  Gitlab:DEV\_ECS4530-Phase1 Branch (2019/7/8) | 2019/7/8 |
| Testing | 0.1.0.0 (Commit 2707005) | EIT0 Test Version  Gitlab:DEV\_ECS4530-Phase1 Branch (2019/7/1) | 2019/7/1 |
| Phase1 Testing Version | 0.0.0.1 (Commit e91f6015) | Online Version  Gitlab: DEV\_ECS4530-Phase1 Branch (2019/6/13) | 2019/6/13 |
| Phase1 Testing Version | 0.0.0.0 (Commit 7225be4) | Init Version  Gitlab:DEV\_ECS4530-Phase1 Branch (2019/3/13) | 2019/3/13 |

LOADER:

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| **Status** | **Version No.** | **Type** | **Release Date** |
| Init Version | 0.0.0.1 | Init Version  Gitlab:DEV\_ECS4530-Phase1 | 2019/3/13 |
| Test Version | 0.0.0.2 | Gitlab:  DEV\_ECS4530-Phase1 | 2019/6/5 |
| Test Version | 0.0.0.3 | Gitlab: DEV\_ECS4530-Phase1 | 2019/7/1 |
| Test Version | 0.0.0.4 | Gitlab: DEV\_ECS4530-Phase1 | 2019/07/31 |
| Test Version | 0.0.0.5 | Gitlab: DEV\_ECS4530-Phase1 | 2019/09/26 |
| Test Version | 0.0.1.0 | Gitlab: DEV\_ECS4530-Phase1 | 2019/10/24 |

**HARDware compatibility:**

ALL

**BootPROM compatibility:**

ALL

**Network Management Software Support:**

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| **NMS Platform** | **Version No.** | **Module No.** |
| TBD |  |  |

If you install this image, you may not have control of all of the latest features of this product until the next version(s) of network management software. Please review the software release notes for your specific network management platform for details.

**SUPPORTED FUNCTIONALITY:**

Please see the ECS4530\_FeatureSpec\_20190905.xlsx

**Installation and Configuration Notes:**

In general, the ECS4530-54CSFP/ECS4530-54CSFP-DC-I **Switch** will be shipped to you pre-configured with this version of firmware. If you would like to upgrade an existing ECS4530-54CSFP/ECS4530-54CSFP-DC-I **Switch,** please follow the TFTP download instructions that are included with your firmware image upgrade kit.

Firmware Changes and Enhancements:

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

Loader V0.0.0.1

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| 1 | C828d9c | Init |

Loader V0.0.0.2

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| 1 |  | 0b2c59b | Modify the PID for PROJECT. |

Loader V0.0.0.3

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| 1 | 490001c | Add uboot password for PROJECT. |

Loader V0.0.0.4

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| 1 | 5321395 | Add RTC check. |

Loader V0.0.0.5

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| 1 | 021269e7 | Keep the definition of uc\_mgr\_id same as runtime. |
| 2 | 306a1d10 | Uboot support updating the bix file. |

Loader V0.0.1.0

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| 1 | Fbbbfe1c | Simplified the startup log at Uboot. |

Runtime V1.1.78.223

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| 1 | ECS453054C-64 | Traffic Segmentation configuration is not save when eth port 1/54 is in uplink or downlink port list |
| 2 | ECS453054C-58 | Packet Counter unit incorrect by long time test |
| 3 | ECS453054C-80 | Selective: IPv6 Router-Advertisement is dropped when using "switchport dot1q-tunnel service configuration" |
| 4 | ECS4530EC-82 | ERPS:Delete and add ring port DUT return exception and halted. |

Runtime V1.1.77.221

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| 1 | ECS453054C-68 | (Porting from ECS4620EC-3)[EC ticket#6632]SW Watchdog Timeout due to thread GVRP\_GROUP |
| 2 | ECS453054C-73 | PPPoE IA drops PPPoED packets with PPP-Max-Payload |
| 3 | ECS453054C-72 | DHCP-SNP: When we failed to set option 82 from telnet, DUT does not return error |

Runtime V1.1.76.214

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| 1 | ECS453054C-65 | "pppoe intermediate-agent port-format-type carry-to-client" can't be removed |

Runtime V1.1.75.214

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| 1 | ECS453054C-54 | After copy startup-config running-config, the running config is not same as startup config. |
| 2 | ECS453054C-47 | The auxiliary instructions is wrong when user set the timeout of tacacs+ |
| 3 | ECS453054C -44 | DHCP-SNP: The MIB does not support "clear policy" object. |
| 4 | ECS453054C -45 | WEB: The WEB does not support this clear dhcpv6 snp policy setting for global and interface command. |
| 5 | ECS453054C -46 | MIB: The MIB does not support "dhcpv6 snooping clear policy" object. |
| 6 | ECS453054C -51 | DHCPv6 SNP: When we enable global interface-id with specific option field setting, but DUT send out Interface option setting. |
| 7 | ECS453054C -48 | DHCP-SNPv6: After we disable the option 18,37 setting of Port, DUT still send out it. |
| 8 | ECS453054C -56 | Cannot set IPv6 address prefix over 64. |
| 9 | ECS453054C-60 | The switch doesn't change local login when TACAS login fail |
| 10 | ECS453054C-61 | http cpu is abnormal,causing http web gui to be unusable |
| 11 | ECS453054C-57 | When "inband-an" enabled is, the DOM-Infos are not presented |

Runtime V1.1.74.213

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| 1 | ECS453054C-37 | When switch lost connect with tacacs+ server can setting config without tacas+ server authorizztion |
| 2 | ECS453054C-39 | ARP table no timeout |
| 3 | ECS453054C-17 | DHCP Snooping Option 82 Remote ID -Policy (drop | insert |rebuild) |
| 4 | ECS453054C-18 | DHCP Snooping Option 82 Remote ID –Policy (user-defined) |
| 5 | ECS453054C-14 | User commands from enable/configuration mode (do show running-config) |
| 6 | ECS453054C-26 | DHCP Snooping Option 82 Circuit ID(user-defined) |
| 7 | ECS453054C-27 | dhcpv6 { option18 | option37 } { insert | rebuild } enable |
| 8 | ECS453054C-28 | dhcpv6 option37 [ vlan vlan-id ] format user-defined （RID） |
| 9 | ECS453054C-29 | dhcpv6 option18 [ vlan vlan-id ] format user-defined (CID） |
| 10 | ECS453054C-40 | command "ip http authentication aaa exec-authorization" won't be show in running-config |
| 11 | ECS453054C-41 | dhcp snp packet cause tx memory leakage |
| 12 | ECS453054C-43 | porting ECS4130EC-92&ECS4130EC-119 to ECS4530： ECS4130EC-92 ConfigFileMgmt: Got "Failed to allocate resource" and "Memory is not enough"  ECS4130EC-119 PortMonitor: Reset mirror setting will cause print continuous |
| 13 | ECS453054C-38 | Huawei and EC switches can't telnet to each other |
| 14 | ECS453054C-42 | Enhance the debug method: 1.enhance "show tech-support" info 2.enhance backdoor command to CLI |

Runtime V1.1.73.212

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| 1 | ECS453054C-30 | Disable openssl ssl2/ssl3 function for ECS4530 |
| 2 | ECS453054C-31 | DHCPv6 Relay: After we change destination address to "multicast all" from vlan 1.DUT show exception and rebooting itself |
| 3 | ECS453054C-32 | Maintenance end point(MEP) displays error with command "Console#show erps instance" in ECS4530 |

Runtime V1.1.72.204

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| 1 | ECS453054C-12 | ECS4530 can not link up with CTS HET3012-DR media converter |
| 2 | ECS453054C-20 | WEB and MIB: ECS4530 not support inband-an |

Runtime V1.1.71.204

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| 1 | ECS453054C-13 | ECS4530 add new bid 1 for new DC power for bid=1 |

Runtime V1.1.70.202

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| 1 | ECS4530-54CSFP-00298 | ERPS: Aftre show erps vlan-group; DUT halted and reboot itself. |
| 2 | ECS453054C-3 | update license for last version. |
| 3 | ECS453054C-1 | [DHCPSNP]When DHCP used unicast, the switch will remove the VLAN tag. |
| 4 | ECS453054C-4 | [NTP server] When the switch reboot and check configuration provision will occur "Fail to set NTP server xxxxx |

Runtime V1.1.2.194

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| 1 | ECS4530-54CSFP-00295 | TrafficSeg: The traffic flooding to other session while configure traffic segmentation cross chip. |
| 2 | ECS4530-54CSFP-00294 | MVR: Source port with IGMPSNP static mrouter cannot send report when a receiver port receive a report. |
| 3 | ECS4530-54CSFP-00296 | Diffserv: The match source port rule with policy-map is not working. |
| 4 | ECS4530-54CSFP-00292 | System: Continue shutdown/no shutdown trunk cause neighbor device print exception message. |
| 5 | ECS4530-54CSFP-00284 | WEB: The default maximum MAC binding number is incorrect in Help page. |
| 6 | ECS4530-54CSFP-00246 | UserAuth: The CLI will frozen when login the DUT via radius authentication, but the raduis service does not exist. |

Runtime V1.1.1.194

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| 1 | ECS4530-54CSFP-00138 | MIB: We cannot get/set some DHCP-SNP MIB objects from MIB Brower. |
| 2 | ECS4530-54CSFP-00139 | MIB: We cannot get/set some IPv4 SourceGuard MIB objects from MIB Brower. |
| 3 | ECS4530-54CSFP-00202 | MIB: Some DHCPv6 Relay MIB objects cannot get/set by MIB brower. |
| 4 | ECS4530-54CSFP-00225 | Debug: Disable one of debug telnet selections, there is no any debug message will be listed. |
| 5 | ECS4530-54CSFP-00253 | L2SW: Port status of copper is connected and displayed wrong. |
| 6 | ECS4530-54CSFP-00254 | System: After enable IGMP snooping proxy-reporting causing multicast packet loss. |
| 7 | ECS4530-54CSFP-00256 | System: Test for overnight, the combo Port always is Link-down. |
| 8 | ECS4530-54CSFP-00264 | L2SW: It cannot receive pause frame when cross chipset. |
| 9 | ECS4530-54CSFP-00265 | System: Packet lost while uplink port in heavy loading. |
| 10 | ECS4530-54CSFP-00272 | DNS: DUT can't record in DNS cache while DNS reponse include multiple entries. |
| 11 | ECS4530-54CSFP-00278 | Web: In static trunk show page, Total is 1 while there is no static trunk |
| 12 | ECS4530-54CSFP-00280 | Web: In Interface>Port>Gneral Configure by Port List/Range Speed Duplex is null for 20G port |
| 13 | ECS4530-54CSFP-00282 | [Igmpsnp web] Report Suppression cant configure in ip igmp snooping general and interface web page |
| 14 | ECS4530-54CSFP-00283 | IPSG: The result of setting the maximum binding in IPSG ACL mode is inconsistent with spec. |

Runtime V1.1.0.194, Loader V0.0.1.0

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| 1 | ECS4530-54CSFP-00277 | DAI: ARP Packets drop when enabling DAI log interval as 0 or 1 with logging trap enable |
| 2 | ECS4530-54CSFP-00276 | Debug: Cannot display the debug of some features separately. |
| 3 | ECS4530-54CSFP-00275 | Vlan tunnel: some item doesn't work in service add and show page |
| 4 | ECS4530-54CSFP-00274 | ImageDownload:Upgrade an invalid opcode from ftp, it will not report error, flash programming succeed. |
| 5 | ECS4530-54CSFP-00273 | WebHelp: There is no SFTP Download/Upload, FTPS Download/Upload description |
| 6 | ECS4530-54CSFP-00271 | MVR-0020: The DUT is crashed when show mvr command |
| 7 | ECS4530-54CSFP-00270 | TACACS+Acct:DUT send 4 accounting start records to Accounting server when build 8 telnet sessions for DUT. |
| 8 | ECS4530-54CSFP-00269 | IGMP-Filter-0050: DUT crashed when set igmp-filter configurations |
| 9 | ECS4530-54CSFP-00268 | DHCP-Snooping-0400: the default ip of DHCP mode is 192.168.2.10 |
| 10 | ECS4530-54CSFP-00267 | SwitchMgmt: FAN speed is wrong when there are 1~2 FANs are failed. |
| 11 | ECS4530-54CSFP-00266 | Systemlog: There is no rising/falling alarm is sent. |
| 12 | ECS4530-54CSFP-00261 | ConfigFileMgmt: Please integrate file length among CLI/MIB/WebUI/Specification. |
| 13 | ECS4530-54CSFP-00259 | L2SW: Flow control(1000full) is still packet loss however it's copper or fiber) |
| 14 | ECS4530-54CSFP-00257 | IGMPSNP: Clear IGMP group command can't clear dummy groups. |
| 15 | ECS4530-54CSFP-00255 | System: After outgoing path change back, the IGMP query message can't be sent. |
| 16 | ECS4530-54CSFP-00250 | ConfigFileMgmt: Boot system config message is different |
| 17 | ECS4530-54CSFP-00249 | OAM: The OAM is in operational state, but the PDU format is incorrect. |
| 18 | ECS4530-54CSFP-00239 | VoiceVLAN:VoiceVLAN-0011:port didnot join Voice VLAN when receive a LLDP frame with phone bit set and source MAC in OUI table |
| 19 | ECS4530-54CSFP-00238 | LLDP: The function dosen't work |
| 20 | ECS4530-54CSFP-00237 | TrafficSeg-0060: The function with trunk dosen't work |
| 21 | ECS4530-54CSFP-00226 | DDM: If the SFP does not support DDM, it(port 1-44) will display "No SFP inserted" on WebUI. |
| 22 | ECS4530-54CSFP-00222 | MSTP: The cost counter of 20G is wrong |
| 23 | ECS4530-54CSFP-00212 | ReloadDelay: "The switch reboot time was passed..." is not necessary to list after reboot. |
| 24 | ECS4530-54CSFP-00210 | DDM: Got "Read error" when insert non-CSFP SFP into port 1-44, and read rate is too late. |
| 25 | ECS4530-54CSFP-00206 | MLDSNP: Status of debug command can not be showed separately. |
| 26 | ECS4530-54CSFP-00195 | HTTP&HTTPs: User cannot set the range to 1, but the help description of range is 1-65535. |
| 27 | ECS4530-54CSFP-00192 | Auto-upgrade: Got "Memory is not enough" when set auto-upgrade and tftp timeout 900. |
| 28 | ECS4530-54CSFP-00188 | ReloadDelay: It's different between CLI and WebUI about Reload Delay. |
| 29 | ECS4530-54CSFP-00187 | WEB: Configure system name to maximum length, the string is not displayed properly in dashboard. |
| 30 | ECS4530-54CSFP-00179 | LLDP: DUT forward all LLDP packets when dot1q enabled globally. |
| 31 | ECS4530-54CSFP-00175 | OAM: There is no button to clear event log in WEB page. |
| 32 | ECS4530-54CSFP-00170 | WEB: The maximum DHCP-SNP binding number is incorrect in Help page. |
| 33 | ECS4530-54CSFP-00169 | WEB: The maximum IPSG ACL/MAC binding number is incorrect in Help page. |
| 34 | ECS4530-54CSFP-00163 | CableDiag: SFP port shall be displayed "NS"(CLI) or "Not Supported"(Web) when show cable diagnostics |
| 35 | ECS4530-54CSFP-00161 | [igmp snooping& MLD snooping] (web) multicast data drop and mrouter-forward-mode help messages are missing |
| 36 | ECS4530-54CSFP-00160 | CableDiag: It's always displayed "NS" when short, open, or impedance error. |
| 37 | ECS4530-54CSFP-00124 | Voice VLAN: This auto port join to Voice VLAN as disable OUI or LLDP rule. |
| 38 | ECS4530-54CSFP-00123 | Debug: DUT does not support this debug executed command for DHCP-SNP and Spanning-tree. |
| 39 | ECS4530-54CSFP-00122 | ERPS: The Ring\_id description should be modified in CLI since it support this instance. |
| 40 | ECS4530-54CSFP-00121 | WEB: All domain related description should be modified in Help page since it support this instance. |
| 41 | ECS4530-54CSFP-00120 | ERPS: The recovery time larger than 50 ms as a Active link is down. |
| 42 | ECS4530-54CSFP-00119 | ERPS: Failed to enter into to Inststance configuration mode. |
| 43 | ECS4530-54CSFP-00116 | Dynamic Provision: Failed to get bootfile as enable ZTP and auto-upgrade in same time. |
| 44 | ECS4530-54CSFP-00111 | Voice VLAN: Receive LLDP with OUI MAC from Port, it cannot be joined to voice VLAN. |
| 45 | ECS4530-54CSFP-00061 | LLDP-0230: the LLDPDUs of DUTPC can not be captured |
| 46 | ECS4530-54CSFP-00035 | Diffserv-1220: ToS does not change to 0x54 when set police flow Violate : DSCP 21. |
| 47 | ECS4530-54CSFP-00018 | VoiceVLAN-0010:port didnot join Voice VLAN when receiving a lldp frame without phone bit set but source mac in oui table |

Runtime V1.0.5.193, Loader V0.0.0.5

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| 1 | ECS4530-54CSFP-00269 | IGMP-Filter-0050: DUT crashed when set igmp-filter configurations |
| 2 | ECS4530-54CSFP-00271 | MVR-0020: The DUT is crashed when show mvr command |

Runtime V1.0.4.193, Loader V0.0.0.5

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| 1 | ECS4530-54CSFP-00049 | RMON-0330:RMON statistics didnot count oversized packets |
| 2 | ECS4530-54CSFP-00078 | L2SW-0520 0530 0550 0560:port up/down when send packets with length over 183 in backpressure mode |
| 3 | ECS4530-54CSFP-00115 | Dynamic Provision: Failed to get bootfile as disable and enable ZTP. |
| 4 | ECS4530-54CSFP-00129 | ACL: The IPv6 ACL counter is failed after permit the bi-direction entry. |
| 5 | ECS4530-54CSFP-00141 | DAI: After apply arp acl, the web page become blank. |
| 6 | ECS4530-54CSFP-00147 | Internal Loopback: Got "Internal loopback test: failed" when run "test loop internal interface ethernet 1/x" |
| 7 | ECS4530-54CSFP-00149 | IPv6-AddrConfig: Static neighbor can be set when VLAN is inexistence. |
| 8 | ECS4530-54CSFP-00155 | DDM: Got "Checksum error" when insert ET6401-SR4 (Part No: M0OEC6401000Z) |
| 9 | ECS4530-54CSFP-00162 | IPv6-AddrConfig: nd prefix's range is wrong. |
| 10 | ECS4530-54CSFP-00174 | StormCtrl: Threshold <500-14881000> is for 10Gbps, it has to support 20Gbps. |
| 11 | ECS4530-54CSFP-00181 | StormCtrl: Please remove percent mode description if it's not supported for storm control |
| 12 | ECS4530-54CSFP-00185 | WEB: The dashboard is incorrect when we login web page. |
| 13 | ECS4530-54CSFP-00194 | ConfigFileMgmt: HTTP-download config will get old configuration |
| 14 | ECS4530-54CSFP-00197 | WEB: Some DHCP Snooping description must be modified to DHCPv6 Snooping. |
| 15 | ECS4530-54CSFP-00199 | Syslog: Authentication success/failure is lost (Log/Syslog/Trap) |
| 16 | ECS4530-54CSFP-00205 | MLDSNP: General query does not flood to all ports when enable proxy-reporting. |
| 17 | ECS4530-54CSFP-00207 | RSTP: The blocked port should not be 20G Port under looping environment. |
| 18 | ECS4530-54CSFP-00211 | DNS: Execute nslookup with type NS or MX failed. |
| 19 | ECS4530-54CSFP-00213 | ReloadDelay: "Reload in" will not be executed if "reload at" is existed and the setting time is passed. |
| 20 | ECS4530-54CSFP-00214 | ReloadDelay: "Reload in" setting shall be listed when show running. |
| 21 | ECS4530-54CSFP-00215 | DNS: The maximum number DNS cache entry can't reach to 6400. |
| 22 | ECS4530-54CSFP-00216 | MVR: Overlapped issue of the profile, source port, receiver port and MVR VLAN. |
| 23 | ECS4530-54CSFP-00218 | IGMP-SNP: Query interval will reset to default value after DUT reboot. |
| 24 | ECS4530-54CSFP-00221 | PortTrunk: Different speed could be joined the same channel-group is not reasonable and meaningless. |
| 25 | ECS4530-54CSFP-00222 | MSTP: The cost counter of 20G is wrong |
| 26 | ECS4530-54CSFP-00224 | Diffserv: Fail to bind policy-map output. |
| 27 | ECS4530-54CSFP-00227 | Diffserv: The port failed to join trunk after binding policy map. |
| 28 | ECS4530-54CSFP-00228 | MLAG: Can't save configuration when peer-link is dynamic trunk port. |
| 29 | ECS4530-54CSFP-00229 | 1QVLAN-1790: after save running config and reload DUT,the vlan2's member port will join vlan 1 again |
| 30 | ECS4530-54CSFP-00230 | 1QVLAN-1800: setting will be failed when add port to vlan again |
| 31 | ECS4530-54CSFP-00231 | Auto-upgrade: If "upgrade reload" is disabled, startup shall not be reset to the new image. |
| 32 | ECS4530-54CSFP-00234 | L2Switch: Media-type inherit is wrong on port-channel |
| 33 | ECS4530-54CSFP-00235 | L2Switch: "Media-type copper-forced" shall be added into "show running-config" and "show startup-config". |
| 34 | ECS4530-54CSFP-00240 | L2Switch:L2SW-0120:Port 45-48 are copper port.But still configure media-type of Port 45-48 as sfp-forced. |
| 35 | ECS4530-54CSFP-00241 | ACL-0090: packets with tagged-eth2 can not be forward |
| 36 | ECS4530-54CSFP-00245 | RateLimit: Rate-limit value shall be displayed as "20000000 kbits/second" when rate-limit input/output is disabled |
| 37 | ECS4530-54CSFP-00247 | System: Configure maximum DHCP Relay server and enabling spanning-tree, CLI print exception. |
| 38 | ECS4530-54CSFP-00251 | RSTP: Path cost of ports 53-54 is large than 1G/10G ports. |
| 39 | ECS4530-54CSFP-00252 | Syslog: SFP inserted/removed trap/log would not be sent. (ECS5520 is workable) |

Runtime V1.0.3.193, Loader V0.0.0.4

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| 1 | ECS4530-54CSFP-00232 | CLI: Got "Find new version" when upload the latest image into flash |
| 2 | ECS4530-54CSFP-00242 | Debug:DUT does not support debug for some CSCs |
| 3 | No-EPR | snmp get "diffServPolicyMapElementClassMapindex" OID will display not currently exist. |
| 4 | ECS4530-54CSFP-00180 | RateLimit: Input/output limitation is wrong (about 10/100Mbps). |
| 5 | ECS4530-54CSFP-00203 | DHCP Server: We cannot set pool setting by WEB as the pool-name is maximum 32 characters. |
| 6 | ECS4530-54CSFP-00204 | DHCP Server: We cannot set maximum bootfile name by WEB. |
| 7 | ECS4530-54CSFP-00117 | Dynamic Provision: DUT will failed to get bootfile as enable DHCP in non-default vlan 1. |
| 8 | ECS4530-54CSFP-00219 | SwitchMgmt: FAN speed is disappeared when "show system". |
| 9 | No-EPR | acl mirror not work correctly. |
| 10 | ECS4530-54CSFP-00157 | CLI: Got debug message when link up/down CRAFT port |
| 11 | ECS4530-54CSFP-00209 | SwitchMgmt: If auto-negotiation is enabled on ports 45-48, flowcontrol button could not be enabled from WebUI. |

Runtime V1.0.2.193, Loader V0.0.0.4

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| 1 | ECS4530-54CSFP-00003 | L2 Switch: Port 49~52 show link up when insert the Copper SPF module without cable |
| 2 | ECS4530-54CSFP-00004 | L2 Switch: Port 49~52 can not link up when use these Copper SPF module |
| 3 | ECS4530-54CSFP-00019 | Statistics-0050:DUT did not count error input |
| 4 | ECS4530-54CSFP-00020 | Statistics-0120:DUTdid not count CRC Align Errors |
| 5 | ECS4530-54CSFP-00021 | Statistics-0140:DUTdid not count Fragments |
| 6 | ECS4530-54CSFP-00022 | Statistics-0161:DUTdid not count Undersize PKTS |
| 7 | ECS4530-54CSFP-00023 | Statistics-0190:DUTdid not count Jabbers |
| 8 | ECS4530-54CSFP-00045 | L2SW-0210 0270 0360 0370 0410 0450:flowcontrl not work. |
| 9 | ECS4530-54CSFP-00047 | RMON-0310:RMON statistics didnot count CRC Align Errors |
| 10 | ECS4530-54CSFP-00048 | RMON-0320:RMON statistics didnot count undersized packets |
| 11 | ECS4530-54CSFP-00049 | RMON-0330:RMON statistics didnot count oversized packets |
| 12 | ECS4530-54CSFP-00050 | RMON-0340:RMON statistics didnot count fragments packets |
| 13 | ECS4530-54CSFP-00051 | RMON-0350:RMON statistics didnot count jabbers packets |
| 14 | ECS4530-54CSFP-00066 | Console&Telnet-0040: There is no response from console when input command "no speed" |
| 15 | ECS4530-54CSFP-00107 | IPv4 SourceGuard: DUT drop this EAPOL packets as set filter mode to MAC. |
| 16 | ECS4530-54CSFP-00108 | IPv4 Source Guard: DUT cannot re-learn IPv4 SG entry as port move to other Ports. |
| 17 | ECS4530-54CSFP-00109 | IPV4 Source Guard: The maximum ACL binding number is incorrect in WEB. |
| 18 | ECS4530-54CSFP-00114 | 1QVLAN: DUT send out DHCP packets as VLAN status is change to Suspend. |
| 19 | ECS4530-54CSFP-00115 | Dynamic Provision: Failed to get bootfile as disable and enable ZTP. |
| 20 | ECS4530-54CSFP-00118 | ERPS: Add default route, PC cannot ping to DUT sometimes. |
| 21 | ECS4530-54CSFP-00120 | ERPS: The recovery time larger than 50 ms as a Active link is down. |
| 22 | ECS4530-54CSFP-00123 | Debug: DUT does not support this debug executed command for DHCP-SNP and Spanning-tree. |
| 23 | ECS4530-54CSFP-00125 | SystemBootup: DUT reboot automatically when "Performing startup provision ..." is failed |
| 24 | ECS4530-54CSFP-00126 | ACL: The last ACE can not work correctly. |
| 25 | ECS4530-54CSFP-00127 | PortSecurity: The DUT cannot shutdown the security port when send the overthen the max-mac-count of source mac-address traffi |
| 26 | ECS4530-54CSFP-00128 | ACL: Counter is useless when full TCAM is set to interface. |
| 27 | ECS4530-54CSFP-00129 | ACL: The IPv6 ACL counter is failed after permit the bi-direction entry. |
| 28 | ECS4530-54CSFP-00130 | IP Source Guard: This maximum binding operation is incorrect. |
| 29 | ECS4530-54CSFP-00131 | IPv4 Source Guard: DUT cannot forwared all VLAN traffic as add one mac entry for mutiple VLAN. |
| 30 | ECS4530-54CSFP-00132 | Radius: The DUT will reboot when login failure and retrying. |
| 31 | ECS4530-54CSFP-00133 | DHCPv6-SNP: DUT cannot forward DHCPv6 Advertise packets to Client as it is configured as trust port. |
| 32 | ECS4530-54CSFP-00134 | DAI: The log message number on web page always shows "Disable". |
| 33 | ECS4530-54CSFP-00135 | SNTP&NTP: The configure of host name of SNTP&NTP will disappear when save and reboot. |
| 34 | ECS4530-54CSFP-00136 | DHCP Snooping: DUT does not record amy log as exceed maximum binding entry. |
| 35 | ECS4530-54CSFP-00137 | 802.1X: EAPOL packet cannot pass-through when user set the [ip source-uard mode mac] and [dot1x eapol-pass-through] |
| 36 | ECS4530-54CSFP-00140 | DAI: Can't apply ARP ACL rule to VLAN while ACL name with 32 characters via WEB. |
| 37 | ECS4530-54CSFP-00142 | DDM: (Web) It's displayed "No SFP insert" when multiple CSFPs are inserted into DUT. |
| 38 | ECS4530-54CSFP-00143 | CLI: "sfp-preferred-auto" shall be supported on ports No. 45-48. |
| 39 | ECS4530-54CSFP-00145 | IPv6-AddrConfig: Can not get IPv6 address via router advertisement. |
| 40 | ECS4530-54CSFP-00146 | IPv4 Source Guard: DUT does not drop ICMP packets after bind extended IP ACL on Port. |
| 41 | ECS4530-54CSFP-00150 | LACP: LACP is not working on port14. |
| 42 | ECS4530-54CSFP-00151 | WebMgmt: AppScan got some high risk level vulnerabilities about HTTP/HTTPS |
| 43 | ECS4530-54CSFP-00155 | DDM: Got "Checksum error" when insert ET6401-SR4 (Part No: M0OEC6401000Z) |
| 44 | ECS4530-54CSFP-00156 | DDM: Got DEV\_SWDRV\_TwsiDataWrite\_Ex(): Line = 27580 , error\_id=1, arg = 80,0,1,127,0 |
| 45 | ECS4530-54CSFP-00165 | TACACS+Acct: The DUT is only support one configure of TACACS server. |
| 46 | ECS4530-54CSFP-00167 | LACP: The static mac address will be disappeared after DUT reboot. |
| 47 | ECS4530-54CSFP-00168 | OAM: Please remove dying-gasp related info. from WEB. |
| 48 | ECS4530-54CSFP-00171 | OAM: After OAM remote device is down, the unexpected event log was recorded. |
| 49 | ECS4530-54CSFP-00172 | CIDR: Subnet mask 0.0.0.0 shall not be set as craft IP when IP interface is not existed |
| 50 | ECS4530-54CSFP-00176 | IP Source Guard: DUT cannot show all blocked entry for mutiple VLAN. |
| 51 | ECS4530-54CSFP-00177 | IP Source Guard: After change maximum binding, DUT cannot block invalid IP traffic. |
| 52 | ECS4530-54CSFP-00178 | LLDP: Please remove PoE related setting in web help page. |
| 53 | ECS4530-54CSFP-00184 | LACP: Enable LACP on filber and combo port, the combo port speed will become 100F/H automatically. |
| 54 | ECS4530-54CSFP-00186 | WEB: The memory utilization in dashboard is incorrect. |
| 55 | ECS4530-54CSFP-00189 | ConfigFileMgmt: Target filename “(“, and “)” shall be accepted. |
| 56 | ECS4530-54CSFP-00190 | CLI: Please remove delete usbdisk command from CLI |
| 57 | ECS4530-54CSFP-00191 | L2SW: Link up green when insert ET4201-RJ45 (No connected cable) |
| 58 | ECS4530-54CSFP-00193 | ConfigFileMgmt: Failed to read file info and get specific character when show startup |
| 59 | ECS4530-54CSFP-00200 | MIB: restartMgt shall be writable |

Runtime V1.0.1.193, Loader V0.0.0.4

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| 1 | ECS4530-54CSFP-00080 | [USB]DUT not support usb, but there are commands. |
| 2 | ECS4530-54CSFP-00081 | upgrade ntp cli and sync ecs5520-18x sntp/ntp file |
| 3 | ECS4530-54CSFP-00085 | [LLDP]CLI command lldp basic-tlv management-ipv6-address is not supported |
| 4 | ECS4530-54CSFP-00086 | [SYSTEM]system:the system description is incorrect. |
| 5 | ECS4530-54CSFP-00083 | L2 Switch: The TX cut-off problem of Combo ports |
| 6 | 2c1304b | LACP: lacp mode fetature added into snmp |
| 7 | 91d6827 | LACP: LACP actor and parter mode support added into web |
| 8 | ECS4530-54CSFP-00090 | porting ECS5520-18X-00217 ECS5520-18X-00241 ECS5520-18X-00306 |
| 9 | ECS4530-54CSFP-00087 | [igmpsnp]: IGMP-Snooping-0720:DUT did not handle Maximum entry of multicast forwarding table well |
| 10 | ECS4530-54CSFP-00058 | [VSTP] no suuport VSTP & remove block action of LBD |
| 11 | ECS4530-54CSFP-00037 | IP6SG: Static binding cannot replace dynamic binding when the maximum bindding is reached. |
| 12 | ECS4530-54CSFP-00074 | [Radius] The DUT will reboot when login failure and retrying |
| 13 | ECS4530-54CSFP-00091 | [Ipv6 ND& CGI& web] Porting from ECS5520 by zhi\_gong |
| 14 | ECS4530-54CSFP-00092 | WEB:porting ECS5200-18X-00350 remove "Lang" and "simplified chinese" selection from WebUI because it is not supported. |
| 15 | 6992d9b | CLI: It shifts to global configuration mode after run show history command and press w key. |
| 16 | 16ebcf3 | Web: Change Input Previous Entries of "Trunk>History" is show nothing. |
| 17 | ECS4530-54CSFP-00093 | porting ECS5200-18X-00320 |
| 18 | c6380be | [BC storm] Disable Broadcast strom control by default |
| 19 | e0d6b02 | [Qos ip precedence]Add ip precedence option and ip precedence mapping feature for 4530 |
| 20 | 2bf6cbd、401391d | [ACL] Tcam rule should initial |
| 21 | c1361c0 | [qos] The backdoor use the fix register address to read qos profile, but this chip change the address. |
| 22 | ECS4530-54CSFP-00095 | [IPv6 ND & Web] Porting from ECS5520:ECS5520-18X-00313&256&257 by zhi\_gong |
| 23 | ECS4530-54CSFP\_00097 | HTTP CERT: generate http certification for ECS4530-54CSFP. |
| 24 | ECS4530-54CSFP-00098 | Clear some redundant print logs during startup |
| 25 | 495d023 | [RX Buffer]: The RX buffer should be adjusted to fit the chip capacity. |
| 26 | 99e6f7e | [ACL]: Packets that ping to DUT can not be counted by ACL hardware counter. |
| 27 | bb74b55 | Web: The dynamic trunk is in static trunk list. |
| 28 | ECS4530-54CSFP-00100 | [web pannel]: update web pannel |
| 29 | ECS4530-54CSFP-00103 | [CLI] porting cli from ecs5520. |
| 30 | 27f8056 | Disable STP by default (sync from ECS5520-18X-00207) |
| 31 | 4585c00 | Disable STP LBD by default after enable STP (sync from ECS5520-18X-00206) |
| 32 | 5c86e27 | ERPS: Remove execluded VLAN-group, CLI return exception.(sync from ECS5520-18x-00259) |
| 33 | 2f87a82 | Failed to remove VLAN range since some VLAN status is RSPAN.(sync from ECS5520-18x-00281) |
| 34 | 46252b8 | Enable non-stp LBD by deafult.(sync from ECS5520-18X-00209) |
| 35 | ECS4530-54CSFP-00066 | [Console]: There is no response from console when input command "no speed"\_Step 1 |
| 36 | ECS4530-54CSFP-00102 | FTPS:WEB and CLI not support ftps function |
| 37 | 5ed1d62 | RSTP: CLI display this Root port information isn't matched with WEB.(sync from ECS5520-18X-00284) |
| 38 | 54001ff | add to handle DEV\_AMTRDRV\_DeleteDynamicAddrByPortAndVlan() for trunk (sync from 5520: 0d94d9) |
| 39 | 1d832c2 | Arp Flush-out issue (sync from 5520: 9f14d8) |
| 40 | e28507f | QinQ Tunnel Priority Map command Web implementation (sync from 5520: 5c5b41) |
| 41 | d139bc9 | Add SNMP support for newly added vlan-translation options (sync from 5520: c0c953) |
| 42 | 3835461 | Move the config of LBD port status before config of ingress filtering (sync from ECS5520-18X-00371) |
| 43 | a710a1b | VLAN membership setting fails but VLAN membership is still changed (sync from ECS5520-18X-00378) |
| 44 | 979f940 | porting from 5520epr, add some omitting changes |
| 45 | ECS4530-54CSFP-00096 | WEB:The content in media type combo box of ports is not correct. |
| 46 | ECS4530-54CSFP-00104 | Merge the Tx serdes config of 10G and 20G ports |
| 47 | ae9c21b | [rateLimit] Threshold value is wrong and 10G port shall not allow to be set input/output to 10000001-20000000 kps and Default running-config has problem and not consistent |
| 48 | 2159040 | SW License: update libalu.a. |
| 49 | ECS4530-54CSFP-00101 | Embeded RTC works abnormally after a long power cut |
| 50 | 5958d1d | [ACL] add acl cmd about cos/icmp/tcp/udp for CLI [Problem Description] [ACL] add acl cmd about cos/icmp/tcp/udp for CLI (porting from ECS5520) |
| 51 | a7c154a | vlan ingress filter : disable the default value . |
| 52 | 14b54d8 | Web: In interface->port->general show information page, there is no Autonegotiation information. |
| 53 | d26b5c8 | ECS4530-54CSFP-00106 Adapt the Cable Diagnostic command |
| 54 | cdff3ec | [ACL] fallback version changes about link local address for ACL CLI. |
| 55 | 0d27b09 | CLI: delete some unuseless cmd which not support for feature spec. Enlarge the rxlimit buffer. |

Runtime V0.1.0.2, Loader V0.0.0.3

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| 1 | ECS4530-54CSFP-00004 | [L2 Switch] Port 49~52 can not link up when use these Copper SPF module |
| 2 | ECS4530-54CSFP-00013 | 1QVLAN-1211: The pvid vlan port is untagged when changed port type to trunk |
| 3 | ECS4530-54CSFP-00014 | [mvr6] delete cli/snmp/web for not support |
| 4 | ECS4530-54CSFP-00015 | [FAN] adjusted speed of fan |
| 5 | ECS4530-54CSFP-00015 | ECS4530-54CSFP-00015 |
| 6 | ECS4530-54CSFP-00016 | vlan: Failed to join egress list |
| 7 | ECS4530-54CSFP-00017 | LACP: The function dosen't work at random |
| 8 | ECS4530-54CSFP-00018 | VoiceVLAN-0010:port didnot join Voice VLAN when receiving a lldp frame without phone bit set but source mac in oui table |
| 9 | ECS4530-54CSFP-00024 | MVR-0030: Failed to set MVR source port mode |
| 10 | ECS4530-54CSFP-00027 | MVR-0580: The status of MVR port eth1/45 is not Inactive/Discarding |
| 11 | ECS4530-54CSFP-00028 | [Web] SSH user key copy&show pages turn into blank when you copied user key into DUT |
| 12 | ECS4530-54CSFP-00030 | CLI-Terminal-0070: The configuration of terminal setting can't be saved |
| 13 | ECS4530-54CSFP-00031 | Diffserv-0270: the configuration should be reject when match both vlan and cos to the same class map |
| 14 | ECS4530-54CSFP-00032 | NTP-0020: Fail to set NTP server 2001:b02a:25:1::1. |
| 15 | ECS4530-54CSFP-00033 | NTP-0060: NTP peers information is wrong. |
| 16 | ECS4530-54CSFP-00034 | port-channel: port 1/45 can not join to port channel |
| 17 | ECS4530-54CSFP-00036 | [CLI] This error message is incorrect when the parameter in arglist has a colon. |
| 18 | ECS4530-54CSFP-00037 | IP6SG: Static binding cannot replace dynamic binding when the maximum bindding is reached. |
| 19 | ECS4530-54CSFP-00038 | GVRP-PDU-0660: the vlan 4094 of GVRP JoinEmpty event can't be captured |
| 20 | ECS4530-54CSFP-00039 | Web ERPS with Multiple instance |
| 21 | ECS4530-54CSFP-00040 | [ACL&SMTP&Syslog&RemotePing6]Sync from ECS5520 commit compilations by zhi\_gong |
| 22 | ECS4530-54CSFP-00041 | [Loopback] Loopback-Interface:Not support according to feature spec,but there is command |
| 23 | ECS4530-54CSFP-00042 | [PowerSaving] Not support according to feature spec ,but there is command |
| 24 | ECS4530-54CSFP-00044 | L2SW-0120:45-48 are copper port but display "Media Type: SFP preferred auto " ECS4530-54CSFP-00067 |
| 25 | ECS4530-54CSFP-00046 | [IGMP-Snooping-0720]: TG2,TG3 and TG4 only received some packets when they joined maximum igmp |
| 26 | ECS4530-54CSFP-00049 | RMON-0330:RMON statistics didnot count oversized packets |
| 27 | ECS4530-54CSFP-00053 | PortTrunk-0560: The Oper Status is up, TG1 and TG3 can not received traffic from each other again |
| 28 | ECS4530-54CSFP-00057 | IPv6-AddrConfig-0230:ipv6 neighbor didnot delete neighbor after pc delete this address 60s |
| 29 | ECS4530-54CSFP-00060 | IPv6-AddrConfig-0557:ipv6 traffic not record correctly |
| 30 | ECS4530-54CSFP-00062 | IPv6-MLD-SNP-0020: double packets will be received when sending IPv6 Link-local scope multicast packet |
| 31 | ECS4530-54CSFP-00063 | IPv6-MLD-SNP-0180: TG2 will receive untagged packet when sending join report and done report |
| 32 | ECS4530-54CSFP-00064 | Web-1QVLAN-0010 0020 0040 0090:delete vlan failed. |
| 33 | ECS4530-54CSFP-00065 | [Web] back and next icon didnot display well |
| 34 | ECS4530-54CSFP-00067 | L2Switch/PortTrunk-0490: Port 45-48 port type is wrong |
| 35 | ECS4530-54CSFP-00068 | web-auth:login web with radius user failed. |
| 36 | ECS4530-54CSFP-00071 | [CLI] Add media-type for copper-forced |
| 37 | ECS4530-54CSFP-00072 | [ADD] ip phone cannot join back to voice vlan when ip changed |
| 38 | ECS4530-54CSFP-00073 | [LLDP]:Console locked is caused by loading attached config file when copy startup-config to running-config. (with LLDP-med function) |
| 39 | ECS4530-54CSFP-00075 | [buffer/descriptor] buffer/descriptor needs to be adjusted to avoid losing packets. |
| 40 | 54c55db | NTP: upgrade ntp version , sync from ECS5520-18X |
| 41 | 7476a3e | The LED of sfp+ port will light on orange when the port is configured in 1G mode. |

Runtime V0.1.0.1, Loader V0.0.0.3

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| 1 | 2194c4e | 1.Initialize the phy(88E1548p) chip 2.Initialize the cascade port to 40G mode |
| 2 | ECS4530-54CSFP-00002 | LACP: The function dosen't work |
| 3 | ECS4530-54CSFP-00006 | GVRP: The function dosen't work |
| 4 | ECS4530-54CSFP-00012 | Port Profile Setting: add for 10/100M port speed. |
| 5 | 4c6fe86 | Modify the reload command to reset all devices on board, such as CPU, MAC, PHY. |
| 6 | ECS4530-54CSFP-00009 | SSH: (Enhance) SSH supports CTR cipher - upgrade to the up-to-date OpenSSH |
| 7 | df99f5c | Modify the media-type command and fix an error in CSFP module address mapping |
| 8 | ECS4530-54CSFP-00007 | 1QVLAN-0025: Unicast will flooding on vlan 2 |
| 9 | ECS4530-54CSFP-00011 | Revert CONFIG\_SQUASHFS\_XATTR to disable. |
| 10 | e588eb5 | Revert "Merge branch 'temp\_DEV\_ECS4530-CSFP\_Phase1\_ingress\_filtering' into 'DEV\_ECS4530-CSFP\_Phase1'" |
| 11 | ECS4530-54CSFP-00010 | badkdoor: add backdoor library for ECS4530-54CSFP |
| 12 | ECS4530-54CSFP-00008 | Mac Learning: incoming tagged packet's mac will all be learned into vlan 1 |

Runtime V0.1.0.0, Loader V0.0.0.3

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| 1 | 7225be4 | fix some missing folders |
| 2 | c828d9c | Add some missing folders&files |
| 3 | 5fbf09e | Modify the permission of these files. |
| 4 | 5634d42 | Update code |
| 5 | 751dea1 | Modify the permission of start\_conf to fix the errors in building '5\_build\_zebos' |
| 6 | b70a32f | ECS4530-54CSFP mac bringup |
| 7 | 89a1f96 | ECS4530-54CSFP mac bringup : add some makefile and dts modification |
| 8 | fb0fbcb | Add PID information in runtime image header. |
| 9 | 0a27bae | open DEV\_SWDRV\_Reset |
| 10 | 6065151 | register backdoor of DEVSWDRVL3, and delete redundant code in dev\_swdrvl3.c |
| 11 | 560f05b | open RULE\_CTRL\_LocalInitialize |
| 12 | e14270e | modify chip l3 implementation for AC3X |
| 13 | cf0530d | fix broadcast pkt can't be sent by nicdrv gateway, workaroud according to send unicast pkt |
| 14 | 8919dcc | open mvr & mvr6 & mldsnooping function |
| 15 | 674613c | commit about acl. |
| 16 | 7932f9c | update host route after primary address update |
| 17 | 2c4471b | Fix the runtime update via tftp in CLI. |
| 18 | 74fd48e | when create a VLAN entry, the FID value must be specified explicitly. If it is set to 0, no matching in the FDB table will be performed in IVL mode. |
| 19 | 312f737 | Modify the initial configuration of phy(88E1512) in Uboot |
| 20 | 6f970c3 | Problem Description: ECS4530 does not have private mib file |
| 21 | acd860f | change for adding private mib file. the macro: SYS\_ADPT\_SYS\_OID\_STR\_FOR\_BOARD\_ID0 SYS\_ADPT\_PRIVATEMIB\_OID should be changed according to ECS4530 OID |
| 22 | 56eddf4 | modify max number of host route and net route |
| 23 | 97a3013 | Fix the problem of after copy ssh user key successfully, the web page display error. |
| 24 | e4743a4 | rename os6560\_p48z16 => ecs4530\_54csfp for DEV\_ECS4530-CSFP\_Phase1 |
| 25 | 284c2c6 | Number OF ACE modified to 1536 |
| 26 | ff0e6a3 | RD issue:porting ECS5520-18X web to ECS4530-54scfp |
| 27 | d538ff6 | 1.Modify the I2C driver. 2.Modify the RTC,fan control(without PWM control strategy) and temperature show |
| 28 | 0182879 | add 201902 gateway for sdk 201902 version |
| 29 | 6aa6e0b | correct module name ECS4530\_54CSFP |
| 30 | 5c7431f | UPDATE 201902 SDK:add submodule git@172.16.16.224:ecos/marvell\_sdk\_201902.git to cpss\_4.2\_201902 |
| 31 | 6f11c23 | modify build\_env\_init script to use 201902 sdk as CPSS\_SDK\_VERSION |
| 32 | 8cfdccb | fix broadcast arp can not be sent to CPU |
| 33 | 6776d3a | Close function of RIP/OSPF/OSPFV3/BGP/Udphelper, VRRP |
| 34 | 240ee1d | fix mac bringup initial error such as dev\_swdrv\_reset |
| 35 | 385ed91 | delete debug msg in DEV\_SWDRV\_InitBufferSettingsByParam |
| 36 | 8faa3a0 | Modify the I2C driver, modify by shuo |
| 37 | a0075a2 | add control-plane-protection |
| 38 | fbb3009 | add OAM csc |
| 39 | 065b62b | rollback to 8cfdccb4, fix startup initial error later step by step |
| 40 | f85bc0d | fix initial error in DEV\_SWDRV\_Reset : cpssDxChPortMruSet(CPSS\_CPU\_PORT\_NUM\_CNS) |
| 41 | 6feb97a | fix initial error in DEV\_SWDRV\_Reset: DEV\_SWDRV\_InitCpuPortRateLimit |
| 42 | 0b2c59b | Modify the PID from '0x1fd' to '0x204' |
| 43 | 5e6a2da | fix initial error in DEV\_SWDRV\_Reset: DEV\_SWDRV\_UpdatePortProfileSetting |
| 44 | 2fbf5c9 | RD issue:porting dos-protection fail |
| 45 | 31804df | RD issue:porting ecs5520 snmp/web no upgrade reload bug and fix upgrade file name error |
| 46 | cf6e008 | Add software license for 4530-54csfp |
| 47 | 45f5478 | Ratelimit input can be changed when port applied dynamic QoS |
| 48 | 6da1c98 | fix ecmp can't work for AC3X 1)Porting l3 gateway code form ecs5520; 2)For SDK 4.2\_2019\_2, the LpmDB, LpmDBDeviceList, LpmVirtualRouter has been created by SDK, just use them. |
| 49 | 52502e2 | When users change dynamic VLAN assignment feature, all authenticated users shall do authentication again. |
| 50 | a74e155 | modified for Rate\_limit and storm are not valid by junfeng\_qiao |
| 51 | 96e39e4 | [Problem Description] when add the interface to the trunk, there is signal 11. |
| 52 | 2fa5d5a | When the "show interface counter" instruction is used, the port statistic is an exception value. |
| 53 | 4d54e85 | Modify I2C write and read interface |
| 54 | fff5cdb | fix compile error, import by 96e39e4 |
| 55 | f1c4cdb | fix CPU guard log unkown MTU enum. |
| 56 | c7f03b8 | fix cpssDxChBrgGenRateLimitSpeedCfgEnableSet error GT\_NOT\_APPLICABLE\_DEVICE. |
| 57 | 0106f42 | Problem Description: After configuring vlan mirror on a port, show run displays this vlan mirror information on all ports, resulting in vlan mirror configuration exceptions after saving the configuration and restarting |
| 58 | 87e90aa | Problem Description: modified for Rate\_limit are not valid |
| 59 | 3d1f365 | Problem Description: modified about flow control XOFF/XON |
| 60 | 334f903 | 1. fix cpssDxCh3PolicerMeterResolutionSet error\_type(30/0x1E), API not applicable to device. 2. fix cpssDxChBrgVlanPortIngressTpidSet error\_type(30/0x1E), API not applicable to device. |
| 61 | 81d9e05 | [Problem Description] With the change of the temperature value of the temperature chip, the speed of the fan can be adjusted and controlled. The speed of one fan can be adjusted at full speed, two or three times according to the strategy. |
| 62 | e91f601 | 1.open 20G QSFP module init process. 2.complete the port LED initialization. |
| 63 | 1acbae7 | Enable command authorization. |
| 64 | 74b266d | WEB: modifle project id to 516. |
| 65 | 129072a | Problem Description: Add cmd "qos map ip-prec-dscp" |
| 66 | 267fd2f | PPPoE IA: porting global format-type(vendor-id), IC port-format-type(carry-to-client, circuit-id) from ECS5520-18X. |
| 67 | 4f86b87 | Problem Description: Add MLAG CSC |
| 68 | 776cb7a | Enable dhcp snooping option 82. Adjust the parameters of dhcp snooping and ip source guard. |
| 69 | 13abbb6 | PPPoE IA: if the circuit-id exceeds max length, truncates node id. Porting from DEV\_ECS5520\_Phase1. |
| 70 | 97edf49 | LLDP: remove dot3-tlv poe and med-tlv ext-poe CLI command |
| 71 | daeef1e | 1.Complete the SFP DDM function. 2.Complete the jumbo frame function. 3.Modify the stack size of twsi thread, too small stack size will cause the driver\_proc collapse when the twsi thread operates a non-existent I2C address. |
| 72 | 1533d78 | CPP: Web Implementation of Control Plane Protection. Porting from DEV\_ECS5520\_Phase1. Add new interface for CPU port along with normal interfaces. |
| 73 | 887b505 | PPPoE IA: Update mibtreeinit.c to match the MIB file. Porting from DEV\_ECS5520\_Phase1. add macro SYS\_CPNT\_PPPOE\_IA\_OPTION\_NO\_CHANGES\_OUTGOING\_FROM\_ACCESSMODEPORT. add macro SYS\_DFLT\_PPPOE\_IA\_PORT\_OPTION\_CARRY\_TO\_CLIENT |
| 74 | e302b91 | Problem Description: web can not open lldp interface configuration page. |
| 75 | b3113e5 | EPR ID: ECS5520-18X-00155 Problem Description: ACL:IP rules in MAC ACL can not be shown in Show Hardware Counter web page. |
| 76 | 6d5cb55 | EPR ID: ECS5520-18X-00212 Problem Description: ImageDownload:Copy the same opcode from TFTP is rejected, but if it is copied from USBdisk is accepted. |
| 77 | 0645e24 | EPR ID: ECS5520-18X-00217 Problem Description: ConfigFileMgmt:When it's rejected by exceed the maximum number, it still listed "succeed" on log history. |
| 78 | b319ea4 | The static IPSG bingding shall can replace the dynamic binding with the same IP,MAC,vlan and port when the maximum binding is reached. |
| 79 | 01798a3 | Remove cmd "ip arp inspection validate interface." |
| 80 | 822480f | Fix Display error and can not check ARP packet by IPSG caused by DAI endian issue. |
| 81 | af4daf9 | With the change of the temperature value of the temperature chip, the speed of the fan can be adjusted and controlled. The speed of one fan can be adjusted at full speed, two or three times according to the strategy. |
| 82 | d8592d4 | Set media-type command on 10G port is failed. |
| 83 | 953ca81 | [Enhance] ERPS multiple instances for ECS4530-54CSFP |
| 84 | d4e5f4f | sflow not support except cli cmd,porting 5520 default version v5 modification and snmp sflow version content "alibabagroup" modification |
| 85 | d88493b | For the CSCs that mutual exclusion with MLAG, there is no check. |
| 86 | 60aec86 | RD issue:dhcp dynamic-prov porting ecs5520 EPR ECS5520-18X-00239 and fix no snmp error |
| 87 | 233525a | RD issue: porting some fixed EPR of L3 function from ECS5520 |
| 88 | 35bcd39 | Egress Rate limit issue of packet size greater than 800 do not work effectively. |
| 89 | 42bc6b9 | Add QinQ feature to DEV\_ECS4530-CSFP\_Phase1 |
| 90 | d28142f | Remove CLUSTER feature, no need to support this function. |
| 91 | 04dd79e | Sync ecs5520 ECS5520-18X-00211 |
| 92 | df0898c | Sync ecs5520 ECS5520-18X-00085 |
| 93 | 7868c04 | Sync ecs5520 ECS5520-18X-00131 |
| 94 | c189abe | Add sticky mac for snmp. |
| 95 | 76e586b | Add Vlan-translation sub feature to DEV\_ECS4530-CSFP\_Phase1(config ingress and egress separately) |
| 96 | 38db5e7 | porting some fixed EPR of mirror, lldp and so on from 5520 |
| 97 | 5d11459 | CLI:Remove bluetooth option in copy file command |
| 98 | ee54e90 | Add historical data commands. |
| 99 | 25b5c18 | 1.Add independent processes to RXLOS detection and SFP presentation detection.  2.Modify the order of SerDes numbers for some ports LED.  3.Modify the definition of the media type of all board ports. |
| 100 | d7c6e97 | dut report exception when plug cable mvr source port and receiver port after reload, first coping running-config startup-config after to config according to MVR\_source\_port\_mode\_test\_report.doc |
| 101 | 9ad289d | the max value of rule is modified to 9216/3 in dev\_rm |
| 102 | 490001c | modify default the Uboot password |
| 103 | 2707005 | Remove command “aaa authorization exec default group radius”; add command “ip arp inspection validate dst-mac src-mac” |

Runtime V0.0.0.0, Loader V0.0.0.1

|  |  |  |
| --- | --- | --- |
| 1 | 7225be4 | Init |

**Work as Designed (wAD) eprs:**

**Known Bugs and Issues:**

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

**Known RESTRICITIONS AND Limitations:**

|  |  |  |
| --- | --- | --- |
|  | Limitation Type | Description |
| 1 | Board limitation | Does not support Auto-nego on SFP/SFP+/QSFP port, due to this need dedicated/external cpu on board. Support Auto-nego on combo port. (Drake or AC3 can support 802.3ap on their XG interfaces, but the criteria is using external CPU and interior processor core will run the firmware to handle AP.) |
| 2 | Chip limitation | Broadcast/Multicast/UnknownUnicast Storm Control use the same configuration of rate limit. |
| 3 | Chip limitation | if the bandwidth is too slow, like 64K, and packet size is small, ratelimit will be not accurate,errorrange over 3%.( ECS4530-54CSFP-00052) |
| 4 | Software limitation | For verify chip can support full multicast entry. The speed of data/control packet which used for igmp snooping learning shall not in line speed. |
| 5 | Chip limitation | EEE (802.3az, Cable Length), it's PHY's functionality. Only support copper front port. |
| 6 | Software limitation | Web Authentication only support IPv4 HTTP |
| 7 | Software limitation | Due to Jquery software limitation. The web browser need IE 9+, Chrome 54+, Firefox 52+ or Opera 41+. |
| 8 | Software limitation | Support muintuple vlan tag by software, but have limitation: can not support the packet need linux kernel process, like management features, arp, telnet, ping, tracerout, routing, snmp, ipv6…etc. [ES4627MB-FLF-EC-00889] |
| 9 | Chip limitation | The mirror function will mirror the voice vlan packet which before modified the priority. |
| 10 | Chip limitation | Cannot config any value of CIR and CBS in chip. When configuring cir and cbs，you can identify the scope and unit of configuration for cir/cbs according to the cir exception configuration. Following table describes details for this, you can get more skillful cbs configuration by the actual tests. (ECS5520-18X-00119, ECS5520-18X-00120, ECS5520-18X-00177) |
| 11 | Software limitation | web-auth only support http and port 80. (ECS5520-18X-00175) |
| 12 | Chip limitation | Dynamic QoS Assignment only support configure one acl per port: Marvell support ACL resource are finite, so the upper software limit only support configure one acl per port or per function;when mac-authentication enable Dynamic Qos Assignment base Radius, so also only support configure one acl per port，multiple acls will authentication failure. (ECS5520-18X-00335) |
| 13 | Chip limitation | For Marvell chip, it can not bind a policy-map with remark DCSP for yellow or red packet on egress port. (ECS4530-54CSFP-00224) |
| 14 | Chip limitation | For the rate limit of CPU Guard, the implementation in chip is bps. The actual rate is pps\*MTUsize(Default is 1536. 10240 when Jumbo frame enable). (ECS5520-18X-00232) |
| 15 | Chip limitation | ECS4530 can not link up with CTS HET3012-DR media converter. The inband -an command is added to fix the problem, but if it is enabled, will affect the ordinary optical to electrical module([ECS453054C-12](https://jira.edge-core.com:8443/browse/ECS453054C-12)) |

**Compliance support:**

|  |  |
| --- | --- |
| **Compliance Level** | **Compliant** |
|  |  |

Known Anomalies: None.

**IEEE Standards Support:**

|  |  |
| --- | --- |
| **Standard** | **Title** |
| IEEE 802.1D | Transparent Bridging Specifications (ISO/IEC 10038) |
| IEEE 802.1p | Traffic Class Expediting and Dynamic Multicast Filtering |
| IEEE 802.1Q | Virtual Bridged Local Area Networks |
| IEEE 802.1w | Rapid Spanning Tree |
| IEEE 802.2 | Local Area Networks, Logical Link Control (LLC) |
| IEEE 802.3 | CSMA/CD 9 (ISO/IEC 8802-3) |
| IEEE 802.3I | 10Base-T (ISO/IEC 8802-3, clause 14) |
| IEEE 802.3u | 100Base-TX (ISO/IEC 8802-3, clause 25) |
| IEEE 802.3x | Flow Control |
| IEEE 802.3z | 1000Base-SX, 1000Base-LX |
| IEEE 802.3ab | 1000Base-TX |
| IEEE 802.3ac | VLAN Tag |
| IEEE 802.3ad | Link Aggregation |
| IEEE 802.1X | Port-based Network Access Control |

**IETF Standards MIB Support:**

|  |  |  |
| --- | --- | --- |
| **RFC No.** | Title | **Groups Supported** |
| 1907 | SNMPv2-MIB (MIB II) | - system group ( 1-9)  - snmp group (1-6, 8-22, 24-32) |
| 2011 | IP-MIB (MIB-II) | - ip group (1-20, 22-23) - icmp group (1-26) |
| 2012 | TCP-MIB (MIB-II) | - tcp group (1-15)(tcpConnTable only support read.) |
| 2013 | UDP-MIB (MIB-II) | - udp group (1-5) |
| IEEE  802.1X MIB | IEEE8021-PAE-MIB | - dot1xPaeSystem (1-2)  - dot1xPaeAuthenticator (1-3)(not support per-port timer setting) |
| 1493 | Bridge MIB | - dot1dBase group (1-4) - dot1dStp group (1-15) - dot1dTp group (1-4) - dot1dStatic group (1) |
| 2863 | Interfaces Evolution MIB (IF-MIB) | - interface group (1-2) (ifadminStatus not support set to 3(testing))  - ifXTable group (1) - ifStackTable group (1)(support  read-only) |
| 2819 | RMON MIB | - statistics group (1) - history group (1-2) - alarm group (1) - event group (1-2) |
| 2618 | RADIUS MIB | - radiusAuthClientMIB (1) |
| 2665 | Etherlike MIB | - dot3StatsTable group (1-19) |
| 2737 | Entity MIB | * entityPhysical group (1-16)   (support read-only) |
| 2674 | P-bridge | - dot1dExtBase group (1-4) - dot1dPriority group (1,3)  - dot1dGarp group (1) |
| 2674 | Q-bridge | - dot1qBase group (1-5) - dot1qTp group (1-2) - dot1qStatic group(1) - dot1qVlan (1-5) (9-10) |
| V-Bridge MIB | V-Bridge MIB | - dot1vProtocol group |
| 3636 | MAU MIB | * dot3IfMauBasicGroup * dot3IfMauAutoNegGroup |

|  |  |  |
| --- | --- | --- |
| 1612 | DNS Reslover MIB | * dnsServConfig * dnsServCounter * dnsServCounterAuthAns * dnsServCounterAuthNoNames * dnsServCounterAuthNoDataResps * dnsServCounterNonAuthDatas * dnsServCounterNonAuthNoDatas * dnsServCounterReferrals * dnsServCounterErrors * dnsServCounterRelNames * dnsServCounterReqRefusals * dnsServCounterReqUnparses * dnsServCounterOtherErrors * dnsServOptCounter * dnsResMIBObjects * dnsResConfig * dnsResCounter * dnsResCache * dnsResCacheStatus * dnsResCacheMaxTTL * dnsResCacheGoodCaches * dnsResCacheBadCaches * dnsResOptCounter |
| 3411 | SNMP FrameWork | * snmpFrameworkMIBObjects |
| 3412 | SNMP MPD MIB | * snmpMPDMIBObjects |
| 3413 | SNMP Target MIB | * snmpTargetObjects |
| 3413 | SNMP Notify MIB | * SnmpNotifyObjects * snmpNotifyTable * usmMIBObjects |
| 3415 | SNMP View-Based ACM MIB | * vacmMIBObjects * Private MIB * switchMgt * portMgt * trunkMgt * lacpMgt * staMgt * tftpMgt * restartMgt * mirrorMgt * igmpSnoopMgt * ipMgt * bcastStormMgt * vlanMgt * priorityMgt * trapDestMgt * qosMgt * securityMgt * sysLogMgt * lineMgt |

**ECS4530-54CSFP Private Enterprise MIB Support:**

|  |  |
| --- | --- |
| **Title** | Version |
| ECS4530.mib | 202011090000Z |

**SNMP Trap Support:**

|  |  |
| --- | --- |
| **RFC No.** | **Title** |
| RFC 1215 | ColdStart (v1) warmStart (v1) linkDown (v1) linkUp (v1) authenticationFailure (v1) |
| RFC 1907 | coldStart (v2c) warmStart (v2c) authenticationFailure (v2c) |
| RFC 2863 | linkDown (v2c) linkUp (v2c) |
| RFC 1493 | newRoot (v1) topologyChange (v1) |
| RFC 1757 | risingAlarm (v1)  fallingAlarm (v1) |
| RFC 2819 | risingAlarm (v2c) fallingAlarm (v2c) |

**Customer Support:**

By Phone:

By Email:

By Web:

By Fax: