Gigabit Ethernet Switch ECS4150 Series

***Phase 3 Firmware Version 1.3.0.9***

**INTRODUCTION:**

The **ECS4150-28T** is a 24\*1G Base-T ports and 4\*10G SFP uplink ports L2+ 1GbE Switch.

The **ECS4150-28P** is a 24\*1G Base-T ports and 4\*10G SFP uplink ports L2+ 1GbE PoE Switch.

The **ECS4150-54T** is a 48\*1G Base-T ports and 6\*25G SFP uplink ports L2+ 1GbE Switch.

The **ECS4150-54P** is a 48\*1G Base-T ports and 6\*25G SFP uplink ports L2+ 1GbE PoE Switch.

The **ECS4150-28F-I** is a 20\*1G SFP ports and 4\*1G Combo-RJ45-SFP ports and 4\*10G SFP uplink ports L2+ 1GbE Switch.

Local Console Management (LCM) allows the user to monitor and configure the ECS4150 Series from a VT-type terminal. LCM can be used to configure features such as SNMP community names and access rights, Port Enable/Disable, firmare 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** |
| EIT0 Testing Version | 1.0.0.1 | EIT Test Version Gitlab: ECS4130-AC5\_Phase1 Branch (2022/9/23) | 2022/9/23 |
| EIT Testing | 1.0.0.2 | EIT Test Version Gitlab: ECS4130-AC5\_Phase1 Branch (2022/10/18) | 2022/10/18 |
| NTC Testing | 1.0.0.3 | NTC Test Version Gitlab: ECS4130-AC5\_Phase1 Branch (2022/10/27) | 2022/10/27 |
| EIT Testing | 1.0.0.4 | EIT Test Version Gitlab: ECS4130-AC5\_Phase1 Branch (2022/12/01) | 2022/12/02 |
| NTC Testing | 1.1.0.5 | NTC Test Version Gitlab: ECS4130-AC5\_Phase1 Branch (2022/12/13) | 2022/12/13 |
| EIT Testing | 1.0.0.6 | EIT Test Version Gitlab: ECS4130-AC5\_Phase1 Branch (2023/01/09) | 2023/01/09 |
| NTC Testing | 1.1.0.7 | NTC Test Version Gitlab: ECS4130-AC5\_Phase1 Branch (2023/01/17) | 2023/01/17 |
| EIT Testing | 1.1.0.8 | EIT Test Version Gitlab: ECS4130-AC5\_Phase1 Branch (2023/02/07) | 2023/02/07 |
| NTC Testing | 1.1.0.9 | NTC Test Version Gitlab: ECS4130-AC5\_Phase1 Branch (2023/02/15) | 2023/02/15 |
| EIT Testing | 1.2.0.1 | EIT Test Version Gitlab: ECS4130-AC5\_Phase2 Branch (2023/03/06) | 2023/03/06 |
| NTC Testing | 1.2.0.2 | NTC Test Version Gitlab: ECS4130-AC5\_Phase2 Branch (2023/03/22) | 2023/03/22 |
| EIT Testing | 1.2.0.3 | EIT Test Version Gitlab: ECS4130-AC5\_Phase2 Branch (2023/04/20) | 2023/04/20 |
| NTC Testing | 1.2.0.4 | NTC Test Version Gitlab: ECS4130-AC5\_Phase2 Branch (2023/04/27) | 2023/04/27 |
| EIT Testing | 1.2.0.5 | EIT Test Version Gitlab: ECS4130-AC5\_Phase2 Branch (2023/05/18) | 2023/05/18 |
| NTC Testing | 1.2.0.6 | NTC Test Version Gitlab: ECS4130-AC5\_Phase2 Branch (2023/05/26) | 2023/05/26 |
| EIT Testing | 1.3.0.1 | EIT Test Version Gitlab: ECS4130-AC5\_Phase3 Branch (2023/07/20) | 2023/07/20 |
| NTC Testing | 1.3.0.2 | NTC Test Version Gitlab: ECS4130-AC5\_Phase3 Branch (2023/08/08) | 2023/08/08 |
| EIT Testing | 1.3.0.3 | EIT Test Version Gitlab: ECS4130-AC5\_Phase3 Branch (2023/09/08) | 2023/09/08 |
| NTC Testing | 1.3.0.4 | NTC Test Version Gitlab: ECS4130-AC5\_Phase3 Branch (2023/09/20) | 2023/09/20 |
| EIT Testing | 1.3.0.6 | EIT Test Version Gitlab: ECS4130-AC5\_Phase3 Branch (2023/09/25) | 2023/09/25 |
| NTC Testing | 1.3.0.7 | NTC Test Version Gitlab: ECS4130-AC5\_Phase3 Branch (2023/10/18) | 2023/10/18 |
| NTC Testing | 1.3.0.8 | NTC Test Version Gitlab: ECS4130-AC5\_Phase3 Branch (2023/10/26) | 2023/10/26 |
| NTC Testing | 1.3.0.9 | NTC Test Version Gitlab: ECS4130-AC5\_Phase3 Branch (2023/12/25) | 2023/12/25 |

**LOADER:**

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| **Status** | **Version No.** | **Type** | **Release Date** |
| Test Version | 0.0.0.4 | Gitlab: ECS4130-AC5\_Phase1 Branch (2022/9/23) | 2022/9/23 |
| Test Version | 0.0.0.6 | Gitlab: ECS4130-AC5\_Phase1 Branch (2022/10/18) | 2022/10/18 |
| Test Version | 0.0.0.7 | Gitlab: ECS4130-AC5\_Phase1 Branch (2022/12/01) | 2022/12/02 |
| NTC Testing | 0.0.0.8 | NTC Test Version Gitlab: ECS4130-AC5\_Phase1 Branch (2022/12/13) | 2022/12/13 |
| Test Version | 0.0.0.9 | Gitlab: ECS4130-AC5\_Phase1 Branch (2023/01/09) | 2023/01/09 |
| Test Version | 0.0.1.0 | Gitlab: ECS4130-AC5\_Phase2 Branch (2023/03/06) | 2023/03/06 |
| Test Version | 0.0.1.1 | Gitlab: ECS4130-AC5\_Phase2 Branch (2023/04/20) | 2023/04/20 |
| Test Version | 0.0.1.2 | Gitlab: ECS4130-AC5\_Phase2 Branch (2023/05/18) | 2023/05/18 |
| Test Version | 0.0.1.5 | Gitlab: ECS4130-AC5\_Phase3 Branch (2023/07/20) | 2023/07/20 |
| Test Version | 0.0.1.6 | Gitlab: ECS4130-AC5\_Phase3 Branch (2023/08/08) | 2023/08/08 |
| Test Version | 0.0.1.8 | Gitlab: ECS4130-AC5\_Phase3 Branch (2023/09/08) | 2023/09/08 |

**HARDware compatibility:**

ALL

**BootPROM compatibility:**

ALL

**Network Management Software Support:**

|  |  |  |
| --- | --- | --- |
| **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 AC5-AC5X-Aldrin2\_FeatureSpec\_20231103.xlsx

**Installation and Configuration Notes:**

In general, the ECS4150 Series **Switch** will be shipped to you pre-configured with this version of firmware. If you would like to upgrade an existing ECS4150 Series **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.**

**Runtime V1.0.0.1, Loader V0.0.0.4**

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| 1 | NA |  |

**Runtime V1.0.0.2, Loader V0.0.0.6**

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| --- | --- | --- |
| 1 | ECS4150EC-13 | SFP port can not send and receive packets |
| 2 | ECS4650EC-2 | Synchronize the modification of ECS4150 to ECS4650, add ECS4650 related macro definitions to solve compilation errors |
| 3 | ECS4150EC-5 | Delete Diag partition and resize Ecos partition |
| 4 | ECS4650EC-2 | Fix the problem of build user and upgrade u-boot version |
| 5 | ECS4150EC-29 | TrafficSeg/VLAN-ProtocolBased:Segmentation Fault |
| 6 | ECS4150EC-32 | mac-address-table aging time in range cannot be set |
| 7 | ECS4150EC-20 | Fix add/delete static route |
| 8 | ECS4150EC-33 | PortSecurity-0180.rspan up-link on port failed |
| 9 | ECS4150EC-5 | Modify the upgrade detection mechanism in u-boot |
| 10 | ECS4150EC-50 | ipv6 nd ra suppress:Segmentation Fault |
| 11 | ECS4150EC-13 | adapt MMU and flowcontrol of ECS4150 |
| 12 | ECS4150EC-51 | IPV6 RA MTU not work |
| 13 | ECS4150EC-51 | IPV6 RA not send packet |
| 14 | ECS4150EC-35 | Unnecessary print when type Traceroute |
| 15 | ECS4150EC\_5 | Fix the problem of recovery image signature verification failed |
| 16 | ECS4650EC-2 | Port-mapping for ac5x |
| 17 | ECS4150EC-28 | interface vlan 1 didnot init and cannot be created after copy startup-config running-config |
| 18 | ECS4150EC-20 | Save the static route and restart DUT, staticd proc crash. |
| 19 | ECS4150EC-61 | flow control andd shutdown port not work well after save config/reload |

**Runtime V1.0.0.3, Loader V0.0.0.6**

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| --- | --- | --- |
| 1 | None | add submodule cpss4.3.8 |
| 2 | None | upgrade sdk to 4.3.8 for ac5x |
| 3 | None | Optimize the compilation of openssl |
| 4 | None | adapt cpss4.3.8 for ECS4150 |
| 5 | ECS4150EC-71 | Modify simba displayed system name for EC new model name |
| 6 | None | add linux-4.14.76\_CnM-22.03.0.patch for sdk 4.3.8 |
| 7 | ECS4150EC-74 | modify OID of ecs4650-ac5x to make snmp can work correctly |
| 8 | ECS4150EC-75 | segmentation fault when no ipv6 neighbor |

**Runtime V1.0.0.4, Loader V0.0.0.7**

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| --- | --- | --- |
| 1 | ECS4150EC-70 | snmp-host with version 1 did't receive warm start trap. |
| 2 | ECS4150EC-79 | Remove the CLI command: Loopback detection mode |
| 3 | ECS4150EC-1 | adapt board id 1 for PoE device |
| 4 | ECS4150EC-74 | modify OID of ecs4650-ac5x to make snmp can work correctly. |
| 5 | None | Add c99 cflags for 4130\_ac5 and 4650\_ac5x |
| 6 | ECS4150EC-79 | Remove the CLI command: Loopback detection mode |
| 7 | ECS4150ECX\_8 | Set I2C to no channel switching mode |
| 8 | ECS4150ECX-14 | The trap of "copy running-config file" will cause segmentation fault. |
| 9 | None | Support RIP on FRR |
| 10 | ECS4150EC-80 | when ZTP can not resolve ip address, it keeps printing error message. |
| 11 | ECS4150EC-92 | kernel oops some times when calling kfree\_skb |
| 12 | ECS4650EC\_8 | Add i2c device driver for AC5X |
| 13 | ECS4150EC-95 | Web: Ports arrangement in WebUI is different from front panel of the device. |
| 14 | ECS4150EC-101 | WEB: DUT does not support option 82 information in web Help page. |
| 15 | ECS4150EC-83 | SFP: Got "DEV\_SWDRV\_SetPortInterfaceMode(): Line = 15729 , error\_id=7" when SFP is removed or set to "media-type sfp-forced 10gsfp. |
| 16 | ECS4150EC-71 | Modify simba displayed system name for EC new model name |
| 17 | ECS4650EC\_8 | Pass the nand partition parameters in u-boot to the kernel |
| 18 | ECS4650EC\_8 | Upgrade loader version |
| 19 | ECS4150EC-100 | Support dhcp relay option display |
| 20 | ECS4150EC-105 | Configuration:Copy running configuration with name "Factory\_Default\_Config.cfg" to tftp server. DUT return error and rebooting itself. |
| 21 | None | Add CLI Command about smart-part |
| 22 | ECS4650EC-10 | adapt ACL for AC5X |
| 23 | ECS4150EC-107 | DHCPv6 Relay: add restrictions for relay destination |
| 24 | ECS4150EC-103 | DUT does not reject invalid DHCP Relay address setting, and it cannot relay Request packets. |
| 25 | ECS4150EC-109 | DHCPv6 Relay: After we delete and add DHCPv6 Relay, DUT cannot send out DHCPv6 RelayForw to Server. |
| 26 | ECS4150EC-98 | The DUT will crash and reboot with watchdog when configure the seletct qinq on LACP port. |
| 27 | ECS4150EC-123 | Crash and watchdog reboot after set reload at "3/7/2023"(DD/MM/YYYY) and "7:3"(HH:MM) and then apply the setting from web. |
| 28 | ECS4150EC-120 | There is no "FTPS Upload" and "FTPS Download" when it is changed from "HTTP Upload" |
| 29 | ECS4650EC-15 | Add CLI Command about smart-part |
| 30 | ECS4150EC-116 | The DUT will pop "Segmentation Fault!" and reboot when create and delete the sample-rate of sflow |
| 31 | ECS4150EC-114 | WEB: Failed to link to DHCP-SNP and DHCP-SNPv6 help page. |
| 32 | ECS4150EC-129 | Cluster: The SNMP trap relayed by commander always be coldstart trap |
| 33 | ECS4150EC-121 | Support SCP on WEB GUI File copy |
| 34 | ECS4150EC-91 | ARP: The DUT will pop error message when change the suspend VLAN to active VLAN |
| 35 | ECS4150EC-115 | IPv6-FTP:It's failed to copy http-certificate via IPv6 FTP. |
| 36 | ECS4150EC-132 | ImageDownload:Got debug message "Set not check Image Version" when set it from back door. |
| 37 | ECS4150EC-117 | Fix the wrong range of transceiver-threshold |
| 38 | ECS4150EC-119 | Solve some bug about the htm txt of WebHelp |
| 39 | ECS4150EC-76 | POE function implementation. |
| 40 | ECS4150EC-84 | 1000 SFP will packet loss and get error counter |
| 41 | ECS4150EC-5 | Port POE i2c pin |

**Runtime V1.1.0.5, Loader V0.0.0.8**

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| --- | --- | --- |
| 1 | ECS4150EC-81 | Static ARP not recover when link up |
| 2 | ECS4150EC-99 | Support BOOTP on AC5 |
| 3 | ECS4150EC-118 | MSTP: The DUT will freezes and reboot automatically when config the mst instance of MSTP. |
| 4 | ECS4150EC-138 | "show hosts" Cli command output can't seprate to different page |
| 5 | ECS4650EC-4 | Distinguish between build FRR of ECS4150 and ecs4650 |
| 6 | ECS4650EC-14 | 1.all traps will become warmstart trap. 2.ac5x frr build will report error |
| 7 | ECS4150EC-71 | Modify the certificate displayed system name |
| 8 | ECS4150EC-76 | POE function implementation |
| 9 | ECS4150EC-76 | POE function implementation |
| 10 | ECS4150EC-5 | Fix the issue of http upload failure port type |
| 11 | ECS4150EC-76 | POE function implementation. |
| 12 | ECS4650EC-18 | fdb entry write fail for daQosIndex is 1 |
| 13 | ECS4650EC\_5 | Fix the issue of alarm led status wrong |
| 14 | ECS4650EC\_5 | Add cpld upgrade tools |
| 15 | ECS4650EC\_5 | Adds fan control functionality |

**Runtime V1.1.0.6, Loader V0.0.0.9**

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| --- | --- | --- |
| 1 | ECS4650EC-16 | QINQ]It will report error message when type command "dot1q-tunnel system-tunnel-control" |
| 2 | ECS4650EC-19 | [MVR6]support |
| 3 | ECS4150EC-152 | Ipv6 route configures can not be deleted |
| 4 | ECS4150EC-156 | [snmp]:snmp walk will report error messages. |
| 5 | ECS4150EC\_5 | Adds fan control functionality |
| 6 | ECS4150EC-4 | Support FRR BGP |
| 7 | ECS4150EC-71 | Modify simba displayed system name for EC new model name |
| 8 | ECS4150EC-166 | POE:Used power of the ports don't reset to 0 when disable POE function |
| 9 | ECS4650EC-10 | adapt port negotiation and init error of ECS4650EC |
| 10 | ECS4650EC-20 | SCP not support on WEB GU |
| 11 | ECS4150EC-170 | ConfigFileMgmt: Got "% Memory is not enough" & "Failed to copy running configuration to local" when read/write flash at the same time. |
| 12 | ECS4150EC-180 | ImageDownload: Run "http upload" from WebUI and "reload" from CLI at the same time, reload shall be rejected. |
| 13 | ECS4150EC-171 | [mib]:Get all sub-object of lldpconfiguration, it can not get any response. |
| 14 | ECS4150EC-166 | POE:Used power of the ports don't reset to 0 when disable POE function |
| 15 | ECS4150EC-176 | System: Watchdog reboot after http\_upload V1.0.0.3 (2nd opcode) into flash |
| 16 | ECS4150EC-151 | Got big counters after clear counters. |
| 17 | ECS4150EC-168 | Model name is wrong in PoE help page |
| 18 | ECS4150EC-158 | POE software version showing Version 0x00(Hex)error and changing power budget from 364w to 370w |
| 19 | ECS4650EC-13 | VLAN, AMTR function verication |
| 20 | ECS4650EC-13 | VLAN, AMTR function verication |
| 21 | ECS4150EC-187 | POE:Do not show "Version is WRONG" error message and add "SRAM programming have been completed" message |
| 22 | ECS4150EC-189 | [mib]:ifOutDiscards is empty. |
| 23 | ECS4650EC-25 | Can not trap ARP packets to CPU |
| 24 | ECS4650EC-13 | VLAN, AMTR function verication(Fix protocol VLAN on SNMP) |
| 25 | ECS4150EC-174 | system: ports 27&28 will down when unplug the cables from dynamic trunk(port 25&26) |
| 26 | ECS4150EC-194 | POE and NonPOE check during boot up |
| 27 | ECS4650EC\_5 | Fix the gpio configuration and disable interrupt |
| 28 | ECS130AC5\_104 | Fix the issue of sfp link down and link up automatically |
| 29 | ECS4150EC-194 | POE and NonPOE check during boot up |
| 30 | ECS4150EC\_104 | Mask and clear interrupts |
| 31 | ECS4150EC-193 | Segmentation Fault happened after be the cluster member |
| 32 | ECS4150EC-5 | Add force full speed cmd |
| 33 | ECS4150EC-167 | POE maximum allocation is useless |
| 34 | ECS4150EC-183 | MIB:Value of igmpSnoopPortClearStatistics is always 0 |
| 35 | ECS4150EC-157 | [xSTP] The DUT crashed when setting the mst port-priority config |
| 36 | ECS4150EC-4 | L3 Feature Verification |
| 37 | ECS4150EC-160 | DDM: Special value of transceiver-threshold shall be rejected |
| 38 | ECS4150EC-4 | L3 Feature Verification |
| 39 | ECS4150EC-183 | MIB:Value of igmpSnoopPortClearStatistics is always 0. |
| 40 | ECS4150EC-84 | 1000 SFP will packet loss and get error counter |
| 41 | ECS4150EC-84 | 1000 SFP will packet loss and get error counter |
| 42 | ECS4150EC-181 | MIB: Display of igmp profile range is wrong. |
| 43 | ECS4150EC-169 | PoE: DUT cannot send LLDP with Power Via MDI TLV. |
| 44 | ECS4150EC-190 | MLD: Content of ipv6 mld profile cannot be showed when use "show ipv6 mld profile". |
| 45 | ECS4150EC-185 | MIB: mvrVlanStatisticsTable (1.3.6.1.4.1.259.10.1.55.1.44.33) is not necessary. |

**Runtime V1.1.0.7, Loader V0.0.0.9**

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| 1 | ECS4150EC-183 | MIB:Value of igmpSnoopPortClearStatistics is always 0. |
| 2 | ECS4150EC-5 | Adapt to poe led control function |
| 3 | ECS4650EC-8 | Fix AC5X build error |
| 4 | ECS4150EC-161 | POE maximum priority is useless |
| 5 | ECS4150EC-200 | SNMP:The mib browser will show timeout when walk the dot1xAuthSessionUsername(9) of OID. |
| 6 | ECS4150EC-195 | Mirror-ACL: Failed to add ACL mirroring because "DEV\_SWDRV\_SetDestPortForMacMirror(): Line = 11859 , error\_id=-1, arg = 3,1,1,1" |
| 7 | ECS4150EC-173 | Web: WebUI without action doesn't return to login page after 300 seconds |

**Runtime V1.1.0.8, Loader V0.0.0.9**

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| 1 | ECS4150EC-161 | PoE: Port number priority is useless. |
| 2 | ECS4150EC-173 | Web: WebUI without action doesn't return to login page after 300 seconds. |
| 3 | ECS4150EC-164 | Fix the problem that the poe button does not respond |
| 4 | ECS4150EC-177 | system:got giant counter after clear counters or shutdown/no shutdown ports |
| 5 | ECS4150EC-204 | The web help page is incorrect |
| 6 | ECS4650EC-4 | Support BGP SNMP |
| 7 | ECS4150EC-211 | Modify the CPU code and queue for some ACL trapped packets |
| 8 | ECS4150EC-207 & ECS4150EC-208 | LLDP: dot3-tlv poe cannot be disabled.  LLDP: There is no command to enable/disable lldp med-tlv ext-poe. |
| 9 | ECS4150EC-177 | system:got giant counter after clear counters or shutdown/no shutdown ports |
| 10 | ECS4150EC-87 | Internal Loopback: Internal loopback test is failed on sfp port |
| 11 | ECS4150EC-206 | WEB: model name in portsStatus menu is disappear |
| 12 | ECS4150EC-184 | MVR: Clear mvr statistics of one port would clear mvr statistics of all ports. |
| 13 | ECS4150EC-203 | mib:Source IP address is wrong in MAC ACL. |
| 14 | ECS4150EC-160 | DDM: Special value of transceiver-threshold shall be rejected |
| 15 | ECS4150EC-212 | Fix the problem that the port 28 led light green when port 1 link up |
| 16 | ECS4150EC-205 | Web: There is no "Auto Mode" checkbox and selection for "Interface > Port > Transceiver" |
| 17 | ECS4150EC-213 | WebUI Version is different from CLI |
| 18 | ECS4150EC-209 | DUT can not provide power class 1,2,4 to PD |
| 19 | ECS4150EC-201 | IPv6-AddrConfig:DUT sends a lot of NS and NA. |
| 20 | ECS4150EC-186 | MLAG:The traffic will loas half flow a few minutes or more when shutdown the port-channel 1 of 3rd. |
| 21 | ECS4150EC-201 | IPv6-AddrConfig:DUT sends a lot of NS and NA. |
| 22 | ECS4150EC-186 | MLAG:The traffic will loas half flow a few minutes or more when shutdown the port-channel 1 of 3rd. |

**Runtime V1.1.0.9, Loader V0.0.0.9**

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| 1 | ECS4150EC-5 | Fix the problem that the accton driver install failed |
| 2 | ECS4150EC-229 | statistics-0161 0290:clear counters port not clear counters |
| 3 | ECS4150EC-226 | Modify model name & image name |
| 4 | ECS4150EC-226 | Modify model name & image name |
| 5 | ECS4150EC-226 | Modify model name & image name |
| 6 | ECS4150EC-226 | Modify model name & image name |
| 7 | ECS4150EC-226 | Modify model name & image name |
| 8 | ECS4150EC-218 | DAI for IPSG whitelist not work |

**Runtime V1.2.0.1, Loader V0.0.1.0**

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| 1 | ECS4650EC-5 | Fix route forwarding source mac replace and support BGP SNMP |
| 2 | ECS4150EC-216 | Adapt MMU,media\_type for AC5X |
| 3 | ECS4150EC-235 | DHCP-SNP: Disable and enable DHCP-SNP option 82, DUT cannot forward DHCP Request packets to trust Port. |
| 4 | ECS4130EC-215 | Adapt to rx los, tx fault ,dying gasp interrupt |
| 5 | ECS4130EC-243 | Voice VLAN: DUT does not reject invalid OUI setting with zero address. |
| 6 | ECS4150EC-241 | LLDP: After we reset this lldp notify interval from maximum field value, DUT cannot send out notify trap message. |
| 7 | ECS4130EC-215 | Adapt fan speed adjustment |
| 8 | ECS4650EC-7 | Support OSPF on FRR |
| 9 | ECS4150EC-216 | Adapt qos and diffserv for AC5X |
| 10 | ECS4150EC-219 | Phase2 L3 feature verification |
| 11 | ECS4150EC-233 | AC5X POE implementation |
| 12 | ECS4130EC-211 | Modify the CPU code and queue for some ACL trapped packets |
| 13 | ECS4130EC-215 | Adapt sfp led control |
| 14 | ECS4150EC-217 | temporarily fix the problem about "port mirror" of AC5X |
| 15 | ECS4150EC-245 | Some processes crash when receive double vlan packets |
| 16 | ECS4130EC-242 | ^ Point to the wrong problem |
| 17 | None | Fix show running-cfg maxinum-paths |
| 18 | ECS4650EC-7 | Support OSPF on FRR |
| 19 | ECS4130EC-215 | Adapt for LED control and fan control |
| 20 | ECS4130EC-215 | Adapt for interrupts control and acc cmd on loader |
| 21 | ECS4130EC-215 | Upgrade loader version |
| 22 | ECS4150EC-211 | Modify ARP and LLDP queue |
| 23 | ECS4150EC-248 | AC5X bt port can't open and close properly |
| 24 | ECS4150EC-216 | Adapt polarity of sfp port and add fec command for AC5X |
| 25 | ECS4150EC-217 | fix the problem about "vlan mirror/mac mirror/acl mirror" of AC5X |
| 26 | ECS4150EC-226 | phase1&phase2:Modify model name & image name |

**Runtime V1.2.0.2, Loader V0.0.1.0**

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| 1 | ECS4150EC-250 | ipv6 link-local ip is active when the system is boot up |
| 2 | ECS4150EC-216 | Adapt flow control for AC5X |
| 3 | ECS4130EC\_215 | Adapt for cpld upgrade |
| 4 | ECS4150EC-239 | Statistic: Input error packets to Port; the Discard and Error packets count are incorrect. |
| 5 | ECS4150EC-251 | AC5X ACL:bind acl to port out failed |
| 6 | ECS4150EC-281 | Diffserv-1090: packets can not be forwarded when packets match QOS policy setting |
| 7 | ECS4150EC-262 | AC5X and AC5 not unify with stormctrl max setting. |
| 8 | ECS4150EC-263 | AC5X Statistics-0050:count twice as send with bad crc packets. |
| 9 | ECS4150EC-274 | Fix request irq fail when restoring default |
| 10 | ECS4150EC-238 | After disable and enable poe port. maximum allocation can work properly |
| 11 | ECS4150EC-233 | Optimize POE code |
| 12 | ECS4650EC-7 | Support OSPF on FRR |
| 13 | ECS4650EC-7 | Support OSPF on FRR |
| 14 | ECS4150EC-252 | AC5X L2SW-0160 0170:Speed-duplex display incorrect when auto negotiation. |
| 15 | ECS4150EC-217 | apply "sflow sampling" of AC5X |

**Runtime V1.2.0.3, Loader V0.0.1.1**

|  |  |  |
| --- | --- | --- |
| 1 | ECS4150EC-254 | Support IEEE 802.1ag (CFM) & Y.1731 (Ethernet OAM) |
| 2 | ECS4150EC-230 | Phase3(ECS4150-28F-I) Port bring-up and mapping |
| 3 | ECS4130EC-215 | Repair port 49 and port 50 rx los detection |
| 4 | ECS4150EC-266 | AC5X VoiceVlan:voice vlan priority not be set |
| 5 | ECS4150EC-230 | Phase3(ECS4150-28F-I) Port bring-up and mapping(SDK segmentation fault) |
| 6 | ECS4150EC-255 | AC5X L2SW: no negotiation cannot be set. |
| 7 | ECS4150EC-254 | Support IEEE 802.1ag (CFM) & Y.1731 (Ethernet OAM) |
| 8 | ECS4150EC-254 | Support IEEE 802.1ag (CFM) & Y.1731 (Ethernet OAM) |
| 9 | ECS4130EC-215 | modify usb reg for hardward test |
| 10 | ECS4150EC-230 | Phase3(ECS4150-28F-I) Port bring-up and mapping(For AC5X compile error) |
| 11 | ECS4150EC-295 | DHCP-Server: CLI can't stop printing dhcp binding information when connect more than 256 DHCP client. |
| 12 | ECS4150EC-266 | AC5X VoiceVlan:voice vlan priority not be set |
| 13 | ECS4150EC-273 | AC5X ratelimit output not same as AC5. |
| 14 | ECS4150EC-295 | DHCP-Server: CLI can't stop printing dhcp binding information when connect more than 256 DHCP client. |
| 15 | ECS4150EC-233 | maximum power 730w can not provide for 24 port 30w. |
| 16 | ECS4150EC-298 | WebUI: The number of ports is wrong in front panel. |
| 17 | ECS4150EC-210 | When insert and remove PD very quickly , the led will on even no PD on this port. |
| 18 | ECS4150EC-307 | Help\_Page: Please remove ECMP help page |
| 19 | ECS4150EC-308 | DHCP Relay: DUT does not reject to set itself as relay server address. |
| 20 | ECS4650EC-10 | Fiber port can not up when insert SFP. |
| 21 | ECS4150EC-311 | vlanTraslationPortTable mib get return partial result. |
| 22 | ECS4150EC-310 | 802.1X-Supplicant: The supplicat port can join the port-channle member. |
| 23 | ECS4150EC-313 | MIB: Get the MIB object dhcpv6DynamicProvisionStatus, this response value is incorrect. |
| 24 | ECS4650EC-8 | Fan control developement for both 54P and 54t |
| 25 | ECS4150EC-297 | HTTPs: Transfer certificate is error and shown memory not enough from web browser |
| 26 | ECS4150EC-315 | DHCPv6 Relay: After we save running and reload this DUT; it lose dhcpv6 relay setting. |
| 27 | ECS4150EC-309 | PoE: Model name and maximum power are wrong in help page. |
| 28 | ECS4650EC-8 | Adaptation of driver & peripheral device & PoE |
| 29 | ECS4650EC-10 | Remove speed 100half/10half cli cmd and modify the description of stormcontrol. |
| 30 | ECS4650EC-7 | Support OSPF on FRR |
| 31 | ECS4650EC-21 | Support vrrp on AC5X |
| 32 | ECS4150EC-322 | ImageMgmt: Warning message and log status is inconsistent |
| 33 | ECS4150EC-319 | WebUI: Web can't return to login page after DUT reboots. |
| 34 | ECS4150EC-230 | Phase3(ECS4150-28F-I) Port bring-up and mapping(For AC5X compile error) |
| 35 | ECS4150EC-319 | WebUI: Web can't return to login page after DUT reboots. |
| 36 | ECS4150EC-217 | conflict about sflow-sampling and port mirror |
| 37 | ECS4150EC-303 | Some invalid or reserve IPV6 address can be accepted |
| 38 | ECS4150EC-304 | SelectiveQinQ: CVID set from SNMP can exceed range (1-4094). |
| 39 | ECS4150EC-317 | LLDP: There are four mistakes on lldp help page. |
| 40 | ECS4150EC-230 | Phase3(ECS4150-28F-I) Port bring-up and mapping(For AC5 max trunk group number) |
| 41 | ECS4150EC-327 | Syslog: There is no log history after "copy sftp file". |
| 42 | ECS4150EC-215 | Upgrade CPSS SDK to 4.3.10 |
| 43 | ECS4150EC-324 | ImageMgmt: Reload machine is wrong (It's also occurred at ECS4130) |
| 44 | ECS4650EC-7 | Support OSPF on FRR |
| 45 | ECS4150EC-217 | conflict about sflow-sampling and port mirror |
| 46 | ECS4650EC-21 | Fix vrrp crash on ac5 |
| 47 | ECS4150EC-329 | MLAG: The traffic will packets loss when reboot the DUT. |
| 48 | None | update uboot version |
| 49 | ECS4150EC-334 | DNS: The number of host entry are not sequenceal |
| 50 | ECS4650EC-10 | When shutdown/no shutdown the mlag member, the syncd mac may syncd to incorrect port. |
| 51 | ECS4150EC-331 | Traffic Segmentation configuration is not save when eth port 1/27.28 is in uplink or downlink port list |
| 52 | ECS4150EC-333 | command "ip http authentication aaa exec-authorization" won't be show in running-config |
| 53 | ECS4150EC-215 | driver & peripheral device adaptation |
| 54 | ECS4150EC-318 | MSTP: The port-channel will disappear on instance 0 of MSTP |
| 55 | ECS4150EC-300 | Adapt to Cable-diagnostics function |
| 56 | ECS4150EC-330 | Watchdog: Reboot after segment fault. |
| 57 | ECS4130EC-284 | delate igmp snooping |

**Runtime V1.2.0.4, Loader V0.0.1.1**

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| --- | --- | --- |
| 1 | ECS4150EC-320 | SystemMgmt: Temperature of rising/falling alarm is different with spec and system no shutdown when temperature is over 76 degrees. |
| 2 | ECS4150EC-305 | SelectiveQinQ: CLI has no commands to show the configuration for port-channel individually. |
| 3 | ECS4130EC-264 | Failed to set ratelimit output. |
| 4 | ECS4650EC-8 | Assign correct fan speed according to the board\_id |
| 5 | ECS4650EC-22 | Support IGMP/PIM on FRR |
| 6 | ECS4650EC-22 | Fix IGMP/PIM compile |
| 7 | ECS4150EC-1 | Modify environment in Linux shell |
| 8 | ECS4150EC-319 | Web can't return to login page after DUT reboots |
| 9 | ECS4150EC-265 | simba stacking |
| 10 | ECS4150EC-234 | Internal Loopback: All 1G ports are down after run "test loop internal interface interface ethernet 1/X". |
| 11 | ECS4650EC-21 | Fix bug of vrrp |
| 12 | ECS4150EC-325 | Watchdog: Trigger watchdog reboot because "cat: can't open '/proc/1470/ustack': No such file or directory" |
| 13 | ECS4150EC-353 | VoiceVlan-0411:voicevlan didnot tranmit dscp value well |
| 14 | ECS4150EC-339 | Trap： The DUT cannot send out the "tcnTrap(63)" when cause the topology change |
| 15 | ECS4150EC-352 | Fix cable diag causing problems with port link status |
| 16 | ECS4150EC-312 | WebUI:Mirror display is different on port/vlan/mac-address |
| 17 | ECS4150EC-356 | Add ecCloud management daemon (mgmtd) on ECS4150 series switches. |
| 18 | ECS4150EC-300 | Adapt to Cable-diagnostics function for ECS4650\_AC5 |

**Runtime V1.2.0.5, Loader V0.0.1.2**

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| --- | --- | --- |
| 1 | ECS4150EC-215 | Fix cable diag causing problems with build error |
| 2 | None | Add show ip igmp interface command |
| 3 | ECS4150EC-325 | Watchdog: Trigger watchdog reboot because "cat: can't open '/proc/1470/ustack': No such file or directory" |
| 4 | ECS4650EC-8 | ECS4650\_AC5X POE developement |
| 5 | ECS4650EC-13 | VLAN, AMTR function verification(Fix protocol VLAN on stacking) |
| 6 | ECS4150EC-365 | ecCloud agent (mgmtd) cannot resolve DNS for registration service. |
| 7 | ECS4150EC-367 | HelpPage: Default value of some DoS Protection items in help page is enabled |
| 8 | ECS4150EC-303 | Some invalid or reserve IPV6 address can be accepted |
| 9 | ECS4150EC-360 | Voice VLAN: DUT does not reject set itself MAC as OUI MAC |
| 10 | ECS4650EC-8 | ECS4650\_AC5X POE developement |
| 11 | ECS4150EC-368 | Test loopback: Got "Internal loopback test: faied" when it's not joined VLAN 1 |
| 12 | ECS4650EC-8 | ECS4650\_AC5X POE developement |
| 13 | ECS4650EC-8 | ECS4650\_AC5X POE developement |
| 14 | ECS4650EC-8 | adjust macro range; modify defination of board type |
| 15 | ECS4150EC-363 | System Test: After we set DHCP-SNP VLAN to suspended; DUT return error, ping session timeout and all unicast data looping |
| 16 | ECS4150EC-370 | Implement SNMP ipCidrRoute |
| 17 | None | Fix zebra compilation |
| 18 | ECS4650EC-12 | XSTP.VLAN translation.QinQ.LBD.UDLD function verication |
| 19 | None | fix poedrv complie error |
| 20 | None | Fix snmp compilation |
| 21 | ECS4150EC-299 | Test loopback: implement loopback function for fiber port. |
| 22 | ECS4150EC-374 | SNMP:When DUT reject PC login to DUT by mgmt-ip-filter setting, it send out unknown trap |
| 23 | ECS4650AC5X-7 | Support OSPF on FRR |
| 24 | ECS4150EC-362 | System Test: Shutdown and no shutdown LACP trunk for overnight, DUT reload itself. |
| 25 | ECS4150EC-380 | Fix cable diag test failed with running a second test while the first test is not completed |
| 26 | ECS4650EC-19 | MVR6 SUPPORT |
| 27 | ECS4150EC-378 | ImageMgmt: SFTP function does not work |
| 28 | None | Init SNMP long variate and fix some parameter check failures |
| 29 | ECS4150EC-378 | ImageMgmt: SFTP function does not work |
| 30 | ECS4150EC-377 | Rate-limit: Rate-limit output rate is not accurate. |
| 31 | ECS4150EC-375 | Watchdog: Reboot after "Segmentation Fault!" (/usr/bin/l2\_l4\_proc) |
| 32 | ECS4150EC-265 | simba ac5x stacking |
| 33 | ECS4150EC-384 | 3MS#20131128 WHT: ECS4150P-28 missing suboption port-description in ip dhcp snooping information option remote-id string“ command |
| 34 | ECS4150EC-265 | simba ac5x stacking packets transfer |
| 35 | ECS4150EC-265 | simba ac5x stacking packets transfer |
| 36 | ECS4650EC-8 | ECS4650\_AC5X POE developement |
| 37 | None | Fixed the slave device cpu cannot send packets |
| 38 | ECS4150EC-383 | Add sfp-forced ifmode CLI command for 25G and 10G fiber port. |
| 39 | ECS4150EC-265 | simba ac5x stacking packets transfer |
| 40 | ECS4650EC-8 | ECS4650\_AC5X POE developement |
| 41 | ECS4150EC-369 | Fix port link status detect error |
| 42 | ECS4150EC-369 | Fix port link status detect error |
| 43 | ECS4150EC-383 | Modify the default value of ifmode to sr\_lr. |
| 44 | ECS4150EC-215 | Fix the problem that i2c operation is not locked |
| 45 | None | Fix the issue of eth2 failure |

**Runtime V1.2.0.6, Loader V0.0.1.2**

|  |  |  |
| --- | --- | --- |
| 1 | ECS4150EC-230 | Phase3(ECS4150-28F-I) Port bring-up and mapping(Adjust combo port) |
| 2 | ECS4150EC-216 | simba ac5x copper port can not linkup in init port manager state |
| 3 | ECS4650EC-32 | Support UDPhelper Feature |
| 4 | ECS4650EC-8 | ECS4650\_AC5X POE developement |
| 5 | ECS4650EC-8 | ECS4650\_AC5X POE developement |
| 6 | ECS4150EC-376 | COMB\_MSTPt: The CPU Utilization of ECS4150-54T/P is 22%, but the ECS4150-28T/P is only 4% of CPU Utilization. |
| 7 | ECS4650EC-30 | Voice VLAN,OAM,LLDP Feature Verification |
| 8 | ECS4150EC-328 | Fix the problem that Power-saving does not work for ECS4150-54P (No any action) |
| 9 | ECS4150EC-350 | Unicast input/output is not enough when line speed 5 minutes. |
| 10 | ECS4650EC-20 | Some features do not work on stacking mode |
| 11 | ECS4650EC-8 | ECS4650\_AC5X POE developement |
| 12 | ECS4650EC-9 | Standalone & Stackable: SNMP, WEB, Download/Upgrade,L2MCAST Feature Verification |
| 13 | ECS4150EC-394 | LACP: The 25G of LACP that can not work |

**Runtime V1.3.0.1, Loader V0.0.1.5**

|  |  |  |
| --- | --- | --- |
| 1 | ECS4650EC-30 | Voice VLAN,OAM,LLDP Feature Verification |
| 2 | ECS4650EC-20 | Packet filtering of L2 control CDP/PVST Feature Verification |
| 3 | ECS4150EC-354 | L2SW:not pause packets receive when flowcontrol enabled. |
| 4 | ECS4650EC-30 | Voice VLAN,OAM,LLDP Feature Verification |
| 5 | ECS4650EC-31 | L3 verification based on stack |
| 6 | ECS4650EC-31 | L3 verification based on stack |
| 7 | ECS4150EC-312 | WebUI:Mirror display is different on port/vlan/mac-address |
| 8 | ECS4150EC-402 | RSTP: The default cost is incorrect on 25G link port. |
| 9 | ECS4650EC-34 | change the switch stacking port option range from 1-2 to 1-3 |
| 10 | ECS4150EC-405 | MVR: SNMP walk can't get correct group table after join and leave some groups. |
| 11 | ECS4150EC-404 | MVR: Show mvr statistics input counter includes unused VLAN data. |
| 12 | ECS4150EC-403 | When group has no members, up time of this group is not empty. |
| 13 | ECS4650EC-20 | DHCPv6 relay fails when one vlan in the multi-destination has no ipv6 globle address |
| 14 | ECS4150AT-5 | L2sw:capability show with symmetric when it should not be shown |
| 15 | ECS4150EC-402 | RSTP: The default cost is incorrect on 25G link port. (remove the define AC5 AC5X) |
| 16 | ECS4650EC-29 | Enhancement for 2G DDR, compatible with 1G DDR |
| 17 | ECS4650EC-29 | Fix the problem that ECS4650AC5X build error |
| 18 | ECS4150AT-9 | Igmpsnooping-0030 0430 0660 0850 0870 0950 1060 1710 1860:igmp query didnot work after saveconfig and reboot s1,set igmp enable |
| 19 | ECS4650EC-13 | VLAN, AMTR function verification(fix traffic segmentation on stacking) |
| 20 | ECS4150EC-383 | XCVR-Cable-IOT: Port will be down after moved the cable when it's connected by ET7302-DAC-3M(M5) |
| 21 | ECS4150AT-3 | MVR.DUT down when set mvr domain 1 type source |
| 22 | ECS4650EC-20 | MSTP-1150 : DUT no response when Set DUT1 and DUT2 mst name |
| 23 | ECS4650EC-20 | system up time over 496 days will reset |
| 24 | ECS4150AT-13 | Reboot the DUT that will pop debug message |
| 25 | ECS4650EC-26 | simba ac5x stacking support 8 devices |
| 26 | ECS4650EC-30 | Voice VLAN,OAM,LLDP Feature Verification |
| 27 | ECS4650EC-8 | POE function not work on ECS4650\_AC5X with 2G DDR |
| 28 | ECS4650EC-20 | DHCP relay option82 snmp update |
| 29 | ECS4650EC-35 | show destination uplink ethernet value is different from setting |
| 30 | ECS4650EC-39 | show switch stacking interfaces brief error when switch don't set switch stacking button |
| 31 | ECS4150AT-9 | Igmpsnooping-0030 0430 0660 0850 0870 0950 1060 1710 1860:igmp query didnot work after saveconfig and reboot s1,set igmp enable |
| 32 | ECS4650EC-29 | Add cmd for upload the image of nand |
| 33 | ECS4650EC-29 | Adapt for cpld upgrade and show version |
| 34 | ECS4650EC-22 | Support IGMP/PIM on FRR |
| 35 | ECS4650EC-30 | Voice VLAN,OAM,LLDP Feature Verification |
| 36 | ECS4150EC-383 | Add ifmode CLI command for ecs4650\_ac5x. |
| 37 | ECS4650EC-9 | Standalone & Stackable: SNMP, WEB, Download/Upgrade,L2MCAST Feature Verification |
| 38 | ECS4650EC-10 | After add the ifmode cli command, stacking can not work normally. |
| 39 | ECS4650EC-13 | VLAN, AMTR function verification(fix subnet/mac vlan rule setting) |
| 40 | ECS4650EC-26 | when setting stacking-port option to 1, stacking can not be established successfully. |
| 41 | ECS4650EC-8 | POE stacking slave LED function and monitoring power do not work. |
| 42 | ECS4650EC-40 | add fec CLI command and add option 25gsfp of CLI command media-type sfp-forced for ecs4650\_ac5x |
| 43 | ECS4650EC-29 | Sync the code of sfp led and Cable-diag |
| 44 | ECS4650EC-13 | VLAN, AMTR function verification(fix traffic segmentation on stacking) |
| 45 | ECS4650EC-40 | CLI command fec rs being reset by CLI command media-type sfp-forced 25gsfp |
| 46 | ECS4650EC-8 | Sync DEV\_SWDRV\_BOARD\_Init from ecs4130\_ac5 for Fan function |
| 47 | ECS4650EC-10 | (MLAG)For stacking, if the non mlag member is the port of slave , the mac learned on non mlag member can not syncd to peer. |
| 48 | ECS4150EC-407 | DHCP SNP: DUT send out unknown remote-id value as set maximum description string. |
| 49 | ECS4650EC-40 | After add the fec cli command, stacking can not work normally. |
| 50 | ECS4650EC-12 | XSTP，VLAN translation，QinQ，LBD，UDLD function verication |
| 51 | ECS4650EC-7 | Support OSPF on FRR |
| 52 | ECS4650EC-7 | Support OSPF on FRR |
| 53 | ECS4650EC-9 | Standalone & Stackable: SNMP, WEB, Download/Upgrade,L2MCAST Feature Verification |
| 54 | ECS4650EC-9 | Standalone & Stackable: SNMP, WEB, Download/Upgrade,L2MCAST Feature Verification |
| 55 | ECS4150EC-1 | update the guidelines of making manufactory bin file |
| 56 | ECS4150EC-408 | DHCP Relay: Client failed to get Reply as it send unicast Request to DUT sometimes. |
| 57 | ECS4150AT-17 | Igmpsnooping-1060: general query suppression not work well after saveconfig&reboot |
| 58 | ECS4650EC-47 | Modify the image name for sw release |
| 59 | ECS4150AT-17 | Igmpsnooping-1060: general query suppression not work well after saveconfig&reboot |
| 60 | ECS4150EC-293 | Support MVR6 |
| 61 | ECS4650EC-43 | Create PBE of eps5520 & eps5720 for muxi customization |
| 62 | ECS4650EC-7 | Support OSPF on FRR |
| 63 | ECS4650EC-7 | Support OSPF on FRR |
| 64 | ECS4150EC-408 | DHCP Relay: Client failed to get Reply as it send unicast Request to DUT sometimes. |
| 65 | ECS4650EC-7 | Support OSPF on FRR |
| 66 | ECS4650EC-9 | Standalone & Stackable: SNMP, WEB, Download/Upgrade,L2MCAST Feature Verification |
| 67 | ECS4650EC-60 | Upgrade FRR 8.5.2 version |
| 68 | ECS4150EC-416 | Add library to parse env of u-boot |
| 69 | ECS4150EC-416 | Partition suitable for simba to parse env |
| 70 | ECS4150EC-416 | Set the baud rate when switching the startup |
| 71 | ECSS4650EC-8 | Adaptation of driver & peripheral device & PoE |
| 72 | ECS4650EC-7 | Support OSPF on FRR |
| 73 | ECS4150EC-416 | Add ignore file for libubootenv and yaml |
| 74 | ECS4650EC-7 | Support OSPF on FRR |
| 75 | ECS4650EC-57 | ATC:atc trap display unit 2 port 1 info with 57, recommand to display with unit/port. |
| 76 | ECS4150EC-416 | Fix the problem of build failed for libubootenv and yaml |
| 77 | ECS4650EC-44 | Stacking: Master and Slave would swap after save reloading |
| 78 | ECS4650EC-7 | Support OSPF on FRR |
| 79 | ECS4650EC-7 | Support OSPF on FRR |
| 80 | ECS4650EC-7 | Support OSPF on FRR |
| 81 | ECS4650EC-7 | Support OSPF on FRR |
| 82 | ECS4650EC-7 | remove virtual-link commands |
| 83 | ECS4650EC-53 | MAC-Filter-0050: network-access mod mac-authentication can be enable when port enable gust vlan |
| 84 | ECS4650EC-71 | AMTR-0050:mac-address table delete after aging time with start time as first learned. |
| 85 | ECS4650EC-79 | Support RFC 2933(IGMP SNMP) |
| 86 | ECS4650EC-71 | AMTR-0050:mac-address table delete after aging time with start time as first learned. |
| 87 | ECS4650EC-77 | BGP distance is NOT effective |
| 88 | ECS4650EC-7 | Support OSPF on FRR |
| 89 | ECS4650EC-75 | BGP Resdistribution OSPF is NOT effective |
| 90 | ECS4650EC-57 | Port on slave can not genarate temerature high alarm/warning. |
| 91 | ECS4650EC-8 | Adaptation of driver & peripheral device & PoE |
| 92 | ECS4650EC-7 | Support OSPF on FRR |
| 93 | ECS4650EC-61 | the master's stacking-port option corresponding phyport on the slave is not present |
| 94 | ECS4150IT-9 | adding the filtering feature to CLI commands of show running, show log ram and show log flash |
| 95 | ECS4650EC-87 | BGP-Accesslist[stacking]：network would missing |
| 96 | ECS4650EC-86 | BGP-1610 neighbor 192.168.1.253 timers connect 0 failed |
| 97 | ECS4650EC-8 | Adaptation of driver & peripheral device & PoE |
| 98 | ECS4650EC-94 | Migration packaging scripts and image upgrade |
| 99 | ECS4650EC-8 | Light off the stack LED during the startup process. |
| 100 | ECS4650EC-82 | BGP-0720/1490: show ip bgp prefix-list is wrong |
| 101 | ECS4650EC-8 | Implement POE stacking led function.Push button function. |
| 102 | ECS4650EC-100 | The authentication key of OSPF is wrong in show running |
| 103 | ECS4650EC-98 | Failed to set the ip OSPF priority. |
| 104 | ECS4650EC-99 | DUT1 should reject this setting router-id 0.0.0.0 |
| 105 | ECS4650EC-106 | show arp error |
| 106 | ECS4650EC-7 | Support OSPF on FRR |
| 107 | ECS4150IT-9 | adding the filtering feature to CLI commands of show running, show log ram and show log flash |
| 108 | ECS4650EC-8 | Implement POE stacking function. |
| 109 | ECS4650EC-88 | sh ip bgp community-list needs all list |
| 110 | ECS4650EC-7 | Support OSPF on FRR |
| 111 | None | modify ECS4150.mib and ECS4650.mib |
| 112 | ECS4650EC-7 | Support OSPF on FRR |
| 113 | ECS4650EC-26 | Stacking: default stacking-port option set to 2. |
| 114 | ECS4650EC-8 | In stacking mode,remove stacking line to become standalone and RJ45 led keep lighting. |
| 115 | ECS4650EC-7 | Support OSPF on FRR |
| 116 | ECS4650EC-75 | BGP Resdistribution OSPF is NOT effective |
| 117 | ECS4650EC-8 | Build ecs4130\_ac5 error |
| 118 | ECS4150IT-11 | Modify that after sending and receiving a specific ERROR packet, it is also recorded in the "Error Input" part of the "show interface counter" |
| 119 | ECS4150it-9 | Standalone & Stackable: adding the filtering feature to cli commands of show running, show log ram and show log flash |
| 120 | ECS4150EC-419 | Update cpld upload shell for 28F-I |

**Runtime V1.3.0.2, Loader V0.0.1.6**

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| --- | --- | --- |
| 1 | ECS4150EC-411 | Fix the display problem of Cable Diag test results |
| 2 | ECS4650EC-107 | Support SNMP/WEB PIM |
| 3 | ECS4650EC-67 | Diffserve-1140-1190: Policy Map PHB Input not work well |
| 4 | ECS4150IT-11 | Modify that after sending and receiving a specific ERROR packet, it is also recorded in the "Error Input" part of the "show interface counter". |
| 5 | ECS4150EC-420 | Shutdown/No Shutdown[ECS4150-28F]:The port(Opto-electronic) is recovered too slowly after no shutdown |
| 6 | ECS4650EC-121 | CFM [stacking]: After we change maximum mep\_id, it cannot send out all mep CCMs. |
| 7 | ECS4650EC-125 | CFM [stacking]: DUT still send out LBM as delete down-mep under loopback test. |
| 8 | ECS4650EC-86 | RMON:show rmon statistics only displays unit 1 intrefaces,unit 2 interfaces didnot be displayed |
| 9 | ECS4650EC-137 | SNTP: DUT can't accepted sntp server hostname |
| 10 | ECS4150EC-419 | When combo port's media-type is copper-forced or VAL\_portComboForcedMode\_sfpPreferredAuto and not insert SFP, it still diaplay 1000SFP. |
| 11 | ECS4650EC-143 | Signature verification error when u-boot loads diag |
| 12 | ECS4650EC-130 | WEB: Loss CFM Help page |
| 13 | ECS4650EC-130 | WEB: Loss CFM Help page |
| 14 | ECS4150IT-9 | adding the filtering feature to CLI commands of show running, show log ram and show log flash |
| 15 | ECS4150IT-9 | adding the filtering feature to CLI commands of show running, show log ram and show log flash |
| 16 | ECS4650EC-129 | PIM [stacking]: The downstream router cannot receive all multicast packets |
| 17 | ECS4650EC-151 | BGP: The DUT will pop message when added the neighbor with maximum number of remote-as. |
| 18 | ECS4650EC-142 | IGMP[Stacking]: Max Resp Time in queries is wrong when change igmp max-resp-interval. |
| 19 | ECS4650EC-153 | LLDP-MED: CLI doesn't provide command to enable or disable MED ext-poe TLV. |
| 20 | ECS4650EC-139 | IGMP[Stacking]: DUT sends igmpv3 query and report when igmp version is 2. |
| 21 | ECS4650EC-141 | ECMP: DUT cannot forward all ipv6 ecmp route traffic |
| 22 | ECS4650EC-129 | PIM [stacking]: The downstream router cannot receive all multicast packets |
| 23 | ECS4650EC-155 | MVR6: CLI has no show debug mvr6 command. |
| 24 | ECS4650EC-116 | CLI shows debug messages when click Add/Show button of UDP Helper Address via WebUI. |
| 25 | ECS4150EC-434 | Voicevlan-0340[ECS4150-28F]:port leave voice vlan after port down/up |
| 26 | ECS4650EC-156 | VRRP: Cannot modify the priority of vrrp |
| 27 | ECS4650EC-167 | CFM [stacking]: After we interrupt loopback test by manual, DUT still send out LBM. |
| 28 | ECS4650EC-148 | MVR6:Dynamic mrouter port can not be created when mvr6 source port receives tagged mld query |
| 29 | ECS4150IT-16 | NTP Client show ntp status error |
| 30 | ECS4650EC-173 | OSPF [stacking]: After we configure routing timers, system halted and rebooting. |
| 31 | ECS4150IT-3 | exclude VLAN |
| 32 | ECS4650EC-159 | TWAMP: Count field value in Server Greeting packet is wrong. |
| 33 | ECS4650EC-160 | TWAMP: Typesetting is wrong when Sender or Reflector address is long IPv6 address. |
| 34 | ECS4650EC-185 | CPU-Guard[Stacking]: Current Threshold becomes 1000 packets/sec when enable and disable CPU guard. |
| 35 | ECS4150IT-3 | exclude VLAN |
| 36 | ECS4150IT-3 | exclude VLAN |
| 37 | ECS4650EC-128 | IGMP:cli show debug messages when input multicast data |
| 38 | None | Add submodule of cpss\_4.3.11 |
| 39 | None | Adapt to cpss 4.3.11 |
| 40 | ECS4650EC-134 | IGMP[Stacking]: Behavior is wrong when change robustval and query-interval value. |
| 41 | ECS4150EC-438 | Fix the problem that TX DISABLE causes usb not to work normally |
| 42 | ECS4650EC-162 | PIM: DUT still forward multicast data to downstream even entry status is Null. |
| 43 | ECS4650EC-202 | IGMP: Dynamic groups doesn't be restricted. |
| 44 | ECS4650EC-202 | IGMP: Dynamic groups doesn't be restricted. |
| 45 | ECS4650EC-181 | BGP: The DUT does not rejected the setting when exceed the maximum peer-group. |
| 46 | ECS4650EC-95 | When there is a loopback link between master and slave devices, it will print "ISC\_PacketIncoming:receive invalid ISC packet" |
| 47 | ECS4650EC-145 | WEB: Loss Routing Protocal Help page. |
| 48 | ECS4650EC-61 | the master's stacking-port option corresponding phyport on the slave is not present |
| 49 | ECS4650EC-197 | MVR6\_Web: Priority is not in global setting |
| 50 | ECS4650EC-168 | BGP: Delete the route-map rule, show the route-map that does not empty. |
| 51 | ECS4650EC-191 | MVR6:802.1p Forwarding priority is useless |
| 52 | ECS4150EC-432 | L2SW-0270[ECS4150-28F]:port cannot up when disable auto negotiation. |
| 53 | ECS4650EC-200 | MVR6: Different domain can set the same vlan. |
| 54 | ECS4150EC-444 | After configuring pppoe intermediate-agent port-format-type remote-id in a port, the user failed to delete it in no-form |
| 55 | ECS4150EC-436 | Fix the problem that get baudrate form config file causes system crash |
| 56 | ECS4650EC-171 | POE slave device version is wrong when stacking using "show power mainpower" |
| 57 | ECS4650-23 | support cli filtering |
| 58 | ECS4650EC-192 | RIP: Learning the 81881 entries of route that does not keep on the route entiers |
| 59 | ECS4650EC-200 | MVR6: Different domain can set the same vlan. |
| 60 | ECS4650EC-212 | BGP: The DUT will pop error message and the DUT will freeze. |
| 61 | ECS4650EC-61 | the master's stacking-port option corresponding phyport on the slave is not present(Adapt AC5) |
| 62 | ECS4150EC-441 | Fan speed regulation strategy adapted to ECS4130-28F |

**Runtime V1.3.0.3, Loader V0.0.1.8**

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| --- | --- | --- |
| 1 | ECS4150EC-488 | CLONE - [GVRP-PDU-0600, GVRP-PDU-0660] Attribute value verification fail |
| 2 | ECS4150EC-483 | [IPv6-SNMP-0020, SNMP-0020] Some specifications of snmp are no longer applicable because of adding mgmtd |
| 3 | ECS4150EC-471 | MVR6: Behavior is wrong when groups exist and the source port with mrouter port receives one general query. |
| 4 | ECS4150EC-470 | MVR6: Non-MVR6 group multicast data received from the receiver port cannot be forwarded by MLDSNP. |
| 5 | ECS4150EC-469 | MVR6: Normal ports cannot register groups that belong to mvr6 profile. |
| 6 | ECS4150EC-468 | MVR6: Group is wrong when show mvr6 statistics output/input. |
| 7 | ECS4150EC-467 | The LED of Port 25 and 27 cannot light up. |
| 8 | ECS4150EC-466 | MVR6\_Web: Port role in MVR6 Memver List is wrong when source port mode is dynamic. |
| 9 | ECS4150EC-465 | MVR6: MIB doesn't support MVR6. |
| 10 | ECS4150EC-464 | MVR6: Source IP address of queries sent out from receiver port is wrong when source port receives queries. |
| 11 | ECS4150EC-463 | MVR6: DUT sends report messages to all source ports even mldsnp mrouter port exists. |
| 12 | ECS4150EC-462 | MVR6: MVR6 doesn't support mldv2 report messages. |
| 13 | ECS4150EC-461 | MVR6: MLD queries received from the source port would be forwarded to another source and receiver ports. |
| 14 | ECS4150EC-460 | MVR6: MLD queries received from the receiver port would be forwarded to another receiver and normal ports. |
| 15 | ECS4150EC-459 | Web\_Help: Help of L3 function shall be removed and MVR6 help shall be added. |
| 16 | ECS4150EC-457 | DHCP Relay: DUT relay double DHCP Request frames to Server. |
| 17 | ECS4150EC-456 | MIB: Not support to get/set exclude-vlan by MIB. |
| 18 | ECS4150EC-455 | Exclude-vlan: Change the bit-mask setting, DUT cannot forward vlan traffic correctly. |
| 19 | ECS4150EC-453 | Dynamic Provision: After we save bootfile and reload this DUT; DUT is halted and reload itseld. |
| 20 | ECS4150EC-451 | (ECS4150-28F-I)Web File: The Source File Name always display "-1" |
| 21 | ECS4150EC-450 | WebUI: We can't copy public key via webUI. |
| 22 | ECS4150EC-449 | lease remove command since 4150-28F not support 25G SFP. |
| 23 | ECS4150EC-448 | PPPoE: Web can set the circuit-id and remote-id to HAN001Z001/I1 atm 01/05:1.3, but the CLI will reject. |
| 24 | ECS4150EC-447 | Enhance command of "show running-config key-words" |
| 25 | ECS4150EC-411 | CableDiag: SFP port is not supported. But it's displayed NT. |

**Runtime V1.3.0.4, Loader V0.0.1.8**

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| 1 | ECS4150EC-511 | [4150-28F][802.1ag-CFM-0370]: the "defRemoteCCM" condition can not be cleared |
| 2 | ECS4150EC-510 | [4150-28F][802.1ag-CFM-0320]: DUT still transmit AIS packet when it received CCM |
| 3 | ECS4150EC-509 | StormCtrl: Got "Failed to set broadcast storm on port 1" when it's set "switchport multicast packet-rate 25600" on channel member. |
| 4 | ECS4150EC-447 | Enhance command of "show running-config key-words" |
| 5 | ECS4150EC-513 | The certificate in the https web page is incorrect |

**Runtime V1.3.0.6, Loader V0.0.1.8**

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| 1 | ECS4150EC-474 | CLONE - Hyperoptic 需求(ECS4150/Simba) |

**Runtime V1.3.0.7 Loader V0.0.1.8**

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| --- | --- | --- |
| 1 | ECS4150EC-527 | [ECS4150-28F][1QVLAN-1790]: the infomation of vlan member port is not correct when we save adn reboot DUT |
| 2 | ECS4150EC-523 | GVRP[ECS4150-54T]: DUT down after set GVRP function |
| 3 | ECS4150EC-522 | MVR6: Query of Output Statistics of port interface can not count. |
| 4 | ECS4150EC-521 | The MEP field in the 'show erps instance' information is displayed as Err |
| 5 | ECS4150EC-520 | CableDiag: Combo port shall not be displayed "NS" by default. |
| 6 | ECS4150EC-519 | Systemboot: Got strange message when reboot on ECS4150-54T/54P. |
| 7 | ECS4150EC-518 | Config file name max size cause default config after reboot. |
| 8 | ECS4150EC-517 | Media-type: 1000SFP could not be communicated when 28Fv2-I and 54T/54P. |
| 9 | ECS4150EC-500 | DDM: Warning/alarm is only generated at 1st time |
| 10 | ECS4150EC-464 | MVR6: Source IP address of queries sent out from receiver port is wrong when source port receives queries. |
| 11 | ECS4150EC-459 | Web\_Help: Help of L3 function shall be removed and MVR6 help shall be added. |
| 12 | ECS4150EC-214 | DDM: Warning/Alarm will not be generated after re-insert SFP. |

**Runtime V1.3.0.8 Loader V0.0.1.8**

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| --- | --- | --- |
| 1 | ECS4150EC-534 | MVR/MVR6: G Query counter of MVLAN increases when receiver ports send the general query. |
| 2 | ECS4150EC-530 | System: After we configure DUT; it show exception and system halted. |
| 3 | ECS4150EC-529 | L3 DHCP Relay: After we enable and disable relay option82, DUT cannot forward DHCP packets. |
| 4 | ECS4150EC-528 | WEB: Please remove CFM mep monitor display and description in WEB and Help. |
| 5 | ECS4150EC-503 | MVR6: Groups cannot be removed when DUT receives done reports after join and leave groups 12 hours continuously. |

**Runtime V1.3.0.9 Loader V0.0.1.8**

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| 1 | ECS4150EC-541 | Push MODE button in booting will cause segmentation fault |
| 2 | ECS4150EC-545 | ECS4150-54P connect to other switch the inline status show overload |
| 3 | ECCLOUD-405 | ECS4150 Mac address table missing |

**modifications:**

**Loader V0.0.0.4**

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| --- | --- |
|  | Initial Version |

**Runtime V1.0.0.1**

|  |  |
| --- | --- |
|  | Initial Version |

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

**Known Bugs and Issues:**

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

NA

**Known RESTRICITIONS AND Limitations:**

|  |  |  |
| --- | --- | --- |
|  | Limitation Type | Description |
| 1 | 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. |
| 2 | Software limitation | Web Authentication only support IPv4 HTTP |
| 3 | Software limitation | Due to Jquery software limitation. The web browser need IE 9+, Chrome 54+, Firefox 52+ or Opera 41+. |
| 4 | 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] |
| 5 | Chip limitation | ECS4150EC-48 DHCP-Snooping-0340：the rate limit of dhcp snooping does not work well  According to the chip documentation, their speed limit is not 100% accurate, and the speed limit value is calculated by accumulating 10 seconds. |
| 6 | Chip limitation | Casued by Phy limit, can not support auto-negotiate of flow-control，We use force mode instead.So if link up with 100M/1G full，flow-control type should always Dot3X，10/100 half type should be backpress. |
| 7 | Phy chip limitation | ECS4150EC-63  The link flapping is caused by back-pressure and link would be up after back-pressure condition is gone(This Back-pessure only 100M/10M half on ECS4150-AC5) |
| 8 | Chip limitation | ECS4150EC-64  Per system, IC have 1 mirror buffer, after this packet is send out, it can be used for mirroring the next packet again.  So you can not enable the mirroring, source, destination or multiple at ac5/ac3, ac3bxh solution.  So when mirror two streams at same time,the mirror packets will loss |
| 9 | Chip limitation | After the SFP port is switched to 1G linkup after 10G linkup, if the traffic is blocked and the CLI command “show counter” displays “Internal Mac Transmit Errors / Fragments”, you need to unplug the port module or shutdown/no shutdown port to change the port link status, then the streaming will return to normal (generally, this problem will occur when the device is switched to 1G after the first 10G linkup after startup) |
| 10 | 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. |
| 11 | Chip limitation | AC5X does not support half-duplex |
| 12 | Software limitation | cpssDxChMirrorRxPortSet is called to set mirrored port when setting port mirror, and it is also called by sflow-sampling. So you can not set sflow-sampling and mirrored port on the same physical port at the same time. |
| 13 | Chip limitation | For AC5X devices, when a SFP interface works on 10G mode and there is streaming on it, and the down/up of the adjacent SFP interfaces will cause packet loss on the streaming interface. |
| 14 | Chip limitation | Cable-diag accuracy issues: For link-down ports, the reported distance to a fault is accurate to within +/- 2 meters. For link-up ports, the accuracy is +/- 10 meters. |
| 15 | Chip limitation | For AC5X devices, FDB does not support qos marking, and igmpsnp/mldsnp does not support priority function |
| 16 | Chip limitation | For AC5X, can not adapt the media-type of DAC cable(kr) and fiber(sr\_lr) automatically for 49-54 ports. So add a CLI command for set it manually :  Vty-1(config-if)#media-type sfp-forced ifmode ? kr Specifies forced ifmode as KR sr\_lr Specifies forced ifmode as SR\_LR  The mode is fiber(sr\_lr) by default, so if you need to insert DAC cable on a port, you have to set the mode to kr by this command. |
| 17 | Chip limitation | ECS4150EC-377:  On Marverll chips, the output ratelimit is non-coninunous, only a specific set of values can be set. When we set a output ratelimit value, accturely we can only select a nearest value between these specific values.  Because AC5 and AC5X belong to different chips, the set of values all different.  For AC5X, when the value of output ratelimit is small (less than 637), the interval is 25.  75:64-87  100:88-112  125:113-137  150:138-162  175: 163-187  200: 188-212  225: 213-237  And so on  625: 613-637  When the ratelimit output value is larger than 637, the accuracy is within %2  For AC5, test according to the following specifications:  When the value of output ratelimit is small (less than 2055), the interval is 30 or 31.  61: 64-90  91:91-120  121:121-151  152:152-181  182: 182-211  212: 212-241  242:242-271  272:272-302  And so on  When the ratelimit output value is larger than 2055, the accuracy is within %2 |
| 18 | Chip limitation | ECS4150EC-409:  Marvell currently does not have good support for half-duplex collision counting. |
| 19 | Chip limitation | ECS4150EC-413:  The rate limit is applied to all enabled types of storm traffic as a whole, meaning if certain rate limit is set and for example Unregistered Unicast and Broadcast are enabled for rate limit, it will be applied cumulatively to both types of traffic, not separately to each type. |

**Compliance support:**

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| --- | --- |
| **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:**

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| --- | --- | --- |
| **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 |

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| 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 |

**ECS4150 SERIES Private Enterprise MIB Support:**

|  |  |
| --- | --- |
| **Title** | Version |
| ECS4150.mib | 202104080000Z |

**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: