Gigabit Ethernet Switch ECS4125-10P

***Phase 1 Firmware Version 1.1.0.15***

**INTRODUCTION:**

The **ECS4125-10P** is a 2.5\*1G Base-T ports and 2\*10G SFP uplink ports L2+ 2.5GbE Switch.

Local Console Management (LCM) allows the user to monitor and configure the ECS4125 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** |
| Phase1 EIT Testing Version | 1.1.0.2 | EIT Test VersionGitlab: DEV\_ECS4125\_Phase1 Branch (2022/7/22) | 2021/7/22 |
| EIT Testing Version | 1.1.0.3 | EIT Test VersionGitlab: DEV\_ECS4125\_Phase1 Branch (2022/7/25) | 2022/7/25 |
| EIT Testing Version | 1.1.0.6 | EIT Test VersionGitlab: DEV\_ECS4125\_Phase1 Branch (2022/8/25) | 2022/8/25 |
| NTC Testing Version | 1.1.0.7 | NTC Test VersionGitlab: DEV\_ECS4125\_Phase1 Branch (2022/7/25) | 2022/9/8 |
| EIT Testing Version | 1.1.0.8 | NTC Test VersionGitlab: DEV\_ECS4125\_Phase1 Branch (2022/10/28) | 2022/10/28 |
| NTC Testing Version | 1.1.0.9 | NTC Test VersionGitlab: DEV\_ECS4125\_Phase1 Branch (2022/11/7) | 2022/11/7 |
| EIT Testing Version | 1.1.0.10 | EIT Test VersionGitlab: DEV\_ECS4125\_Phase1 Branch (2022/11/7) | 2022/11/30 |
| EIT&NTC Testing Version | 1.1.0.11 | EIT Test VersionGitlab: DEV\_ECS4125\_Phase1 Branch (2022/11/7) | 2022/12/8 |
| EIT&NTC Testing Version | 1.1.0.12 | EIT Test VersionGitlab: DEV\_ECS4125\_Phase1 Branch (2023/1/4) | 2023/1/4 |
| EIT&NTC Testing Version | 1.1.0.13 | EIT Test VersionGitlab: DEV\_ECS4125\_Phase1 Branch (2023/5/18) | 2023/5/18 |
| EIT & NTCTesting Version | 1.1.0.14 | EIT Test VersionGitlab: DEV\_ECS4125\_Phase1 Branch (2023/5/18) | 2023/10/27 |
| EIT & TS Testing Version | 1.1.0.15 | EIT Test VersionGitlab: DEV\_ECS4125\_Phase1 Branch (2023/5/18) | 2024/1/23 |

**LOADER:**

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| --- | --- | --- | --- |
| **Status** | **Version No.** | **Type** | **Release Date** |
| Test Version | 0.0.2.1 | Gitlab: DEV\_ECS4125\_Phase1 Branch (2022/7/22) | 2022/7/22 |
| Test Version | 0.0.2.2 | Gitlab: DEV\_ECS4125\_Phase1 Branch (2022/8/18) | 2022/8/18 |
| Test Version | 0.0.2.3 | Gitlab: DEV\_ECS4125\_Phase1 Branch (2022/11/30) | 2022/11/30 |
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**DIAG IMAGE:**

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| --- | --- | --- | --- |
| **Status** | **Version No.** | **Type** | **Release Date** |
| Test Version |  | Diag image |  |

**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 ECS4125\_FeatureSpec\_20220726.xlsx

**Installation and Configuration Notes:**

In general, the ECS4125 Series **Switch** will be shipped to you pre-configured with this version of firmware. If you would like to upgrade an existing ECS4125 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.**

**Loader V0.0.2.1**

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| 1 | NA |  |
| 2 | NA |  |
| 3 | NA |  |

**Runtime V1.1.0.1,V1.1.0.2, Loader V0.0.2.1**

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| --- | --- | --- | --- |
| 1 | ECS412510P-1 | 0c0d4085 | new add pbe ECS4125-10P to DEV\_ECS4125\_Phase1 branch |
| 2 | ECS412510P-2 | 37694825 | Upgrade sdk and kernel to rtk lastst |
| 3 | ECS412510P-3 | 3c55ff53 | ecs4125-10p uboot bringup |
| 4 | ECS412510P-12 | c1df020b | ECS4125 SDK4.0 replace driver API |
| 5 | ECS4125EC-10 | 072c7b2a | ECS4125 add l3 route table for sdk4.0 |
| 6 | ECS412510P-8 | 5c4249f7 | ECS4125 SDK4.0 replace L2 driver API |
| 7 | ECS412510P-11 | c45f7086 | sdk4.0 qos and igmp api update |
| 8 | ECS412510P-9  | 13047e33 | sdk4.0 acl api update |
| 9 | ECS412510P-17 | 1d6fc578, 6ca592b7 | ECS4125 rootfs squashfs system can not distinguish |
| 10 | ECS412510P-18 | 4c7eb95d | ECS4125 ping cause kernel and driver\_proc crash |
| 11 | ECS4125-10P-23 | fce840d3 | SDK4.0 ACL startup and configuration error. |
| 12 | ECS4125EC-22 | 28a593de | ECS4125 UC memory issue and hardware info handle |
| 13 | ECS4125EC-11 | 068af1e2 | sdk4.0 qos and igmp api update |
| 14 | ECS4125EC-19 | 4b31204e731f0b9a | ECS4125 ping fail, need debug L3 function |
| 15 | ECS4125EC-20 | 057e9c44a | sdk4.0 igmp api test |
| 16 | ECS4125EC-25 | f37f8e7f | ECS4125 port mapping debug and 2.5G speed debug |
| 17 | ECS412510P-32 | 2c338f4c | LACP function verify and debug |
| 18 | ECS4125EC-37 | 5db4f084 | Get Transceiver SFP info fail |
| 19 | ECS4125EC-41 | d6d2ee6ff09c2f76 | ECS4125 debug rx loss interrupt and 1G fiber and runtime can not write jffs2 file system |
| 20 | ECS4125EC-29 |  | FAN speed control verify and debug |
| 21 | ECS4125EC-47 | 49a08236 | Cable diag verify and debug |
| 22 | ECS4125EC-46 | b0b4ab04 | ECS4125 debug 1G fiber can not linkup issuse |
| 23 | ECS4125EC-27 | 797895ed1ddfa2d1 | L3 function verify and debug |
| 24 | ECS412510P-51 | 767d45ed4ef4c823 | ACL counter error: The acl does not display the hit count |
| 25 | ECS412510P-45 | e8af22b4 | L2 Packet forwarding: 1% packet loss occurs in the inbound direction |
| 26 | ECS412510P-50 | 38d4d968 | Failed to exec command "dot1x default" |
| 27 | ECS412510P-48 | 68d66f53 | Fail to execute Storm Control CLI Command ECS4125EC-54 |
| 28 | ECS4125EC-54 | a9371776 | ECS4125 memory show only 256M |
| 29 | ECS412510P-58 | 7ae9425e | ACL.Description Failed to match untag or tag packets |
| 30 | ECS4125EC-43 | 3b67b397 | POE function verify and debug |
| 31 | ECS412510P-60 | efa73e8b | Ipv6 mld Snooping: The configuration command failed. |
| 32 | ECS4125EC-20 | df9b2b50 | sdk4.0 qos and igmp api test |
| 33 | ECS412510P-63 | bd544d6f | Phy Port conversion error |
| 34 | ECS4125EC-55 | 8103a4d6071aaa94 | uboot spends much time in scanning JFFS2 FS |
| 35 | ECS412510P-65&115 | f5641fb0 | Strom Control Commands doesn't work. |
| 36 | ECS4125EC-66 | f7367590 | uboot command "acc file" can't boot runtime |
| 37 | ECS4125EC-67 | 415abdf9 | SNMP doesn't work |
| 38 | ECS4125EC-57 | effdfa20e07e38d3 | Ports 9&10 will packet loss when it's run at 1Gbps. And no link on ET4201-SX and DELTA 1000B-LX10/LX. |
| 39 | ECS4125EC-62 | fa9d0dee | debug rx loss interrupt can work issue |
| 40 | ECS4125EC-71 | 62bed38883636650 | Add uboot passwd and remove uboot kernel adn sdk log print |
| 41 | ECS412510P-73 | a2276b0c | LBD:Function failure. |
| 42 | ECS4125EC-72 | e3fd70e9f | The local connect route will not be shown in commad "show ipv6 route" && ECS4125EC-69 DHCP dosen't work |
| 43 | ECS4125EC-75 | c9e9f2af | warm start function can not work |
| 44 | ECS412510P-76 | f0802029 | modify the implementation of unknown multicast data trap to cpu |
| 45 | ECS4125EC-67 | 8a0e85f23 | Auto Upgrade doesn't work |
| 46 | ECS4125EC-77 | 58dcece5 | capabilties 2500full and no capabilities 2500full command no support |
| 47 | ECS4125-10P-36 | 5546047e | ACL function verify and debug |
| 48 | ECS4125EC-27 | bbae8b2706b8fd8e | L3 Adjusted the specs of l3 interface and route |
| 49 | ECS412510P-31 | 6588a5c1 | VLAN function verify and debug |
| 50 | ECS412510P-64 | 35c866b1 | dos-protection. echo-chargen rate limit invalid |
| 51 | ECS412510P-82 | 35c866b1 | Policy-map ratelimit error |
|  |  |  |  |

**Runtime V1.1.0.3, Loader V0.0.2.1**

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| --- | --- | --- | --- |
| 1 | ECS4125EC-88 | 405069a2 | LLDP:Function dosen't work |
| 2 | ECS4125EC-87 | 405069a2 | RSTP/STP : Function dosen't work |

**Runtime V1.1.0.4, Loader V0.0.2.1**

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| --- | --- | --- | --- |
| 1 | ECS4125EC-90 | 5d3afcfed | ACL-0480 1170:IP-extended ACL with dscp filter ingress not work well. |
| 2 | ECS4125EC-93 | 405069a2 | LACP: Function dosen't work when port is 2.5G speed. |
|  | ECS4125EC-80 | 0576752a | If a port joined multiple VLAN, it only first VLAN\_ID will be listed of the log when the port is down. |
|  | ECS4125EC-91 | b6724958 | ACL-Egress.port bind acl egress with ace deny any ,makes other port not transmit any packets. |
|  | ECS4125EC-103 | d31a9511 | Port type display SFP when it is cooper port |
|  | 1. [ECS4125EC-114](https://jira.accton.com:8443/browse/SWECS412510P-114)
 | d31a9511 | LACP -0250 The setting status of port Channel is wrong |
|  | ECS4125EC-106 | d31a9511 | PortSecurity-0140.port send packets with src mac has leant by other port with security, can be transmited. |

**Runtime V1.1.0.5 Loader V0.0.2.2**

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| --- | --- | --- | --- |
| 1 | ECS4125EC-99 | 7e40bc5b | Mac-Thrashing-0020 0040 0290 0310: port leant mac-thrashing mac when mac-thrashing on |
| 2 | ECS4125EC-101 | 7e40bc5b | Mac-thrashing-0270: port didnot learnt mac when port enable mac-learning and mac-thrashing on with stop-learning |
| 3 | ECS4125EC-126 | a0071e73 | ATC-BC storm alarm not work |
| 4 | ECS4125EC-127 | b6724958 | ATC-MC storm alarm not work |
| 5 | ECS4125EC-123 | be0cb8d8 | dynamic address with port ID+VLAN ID are not removed When a port is leaved from a VLAN or join a channel. |
| 6 | ECS4125EC-124 | be0cb8d8 | MAC learned are not cleaed when MAC learning changes from enabled to disabled. |
| 7 | ECS4125EC-125 | be0cb8d8 | clear mac-address by port or port-channel or vlan not work |
| 8 | ECS4125EC-102 | 5eed1143 | port channel mac-thrashing status can not be saved. |
| 9 | ECS4125EC-119 | 42e8a480 | The webpanel does not match the actual |
| 10 | ECS4125EC-105 | d5e9c5d2 | fail to disable negotiation on port 1~8 |
| 11 | ECS4125EC-130 | 50d043d7 | dut didnot drop packets with souce mac is multicast address |
| 12 | ~~ECS4125EC-138~~ | ~~50d043d7~~ | ~~copy Factory\_Default\_Config.cfg running/copy start running,display error message~~ |
| 13 | ECS4125EC-150 | 0028116e | DUT will reboot when we input cfm command in telnet && ipv6 nd packages will be captured by acl |
| 14 | ECS4125EC-152 | 1711567d | Cluster member snmp trap and snmp connect send failed |
| 15 | ECS4125EC-97 | fff0cd3e | MAC-Auth -0240: max mac count is wrong |
| 16 | ECS4125EC-143 | c65ab256 | read/write Hwinfo from EEPROM instead of FLASH |
| 17 | ECS4125EC-131 | fb77e144 | show ip igmp filter interface ethernet portid didnot display profile range |
| 18 | ECS4125EC-147 | 90232017c | IPv6-AddrConfig-0230: dut didnot delete neighbor when the neighbor is unreachable |

**Runtime V1.1.0.6 Loader V0.0.2.2**

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| --- | --- | --- | --- |
| 1 | ECS4125EC-158 | 75df36a4 | Patch-114:[RTL931x] Updated MAC construt flow to fix possible packet loss issue && Patch-112: [RTL9310] Support RTL8224 |
| 2 | ECS4125EC-94 | 0fe7ccd26 | COS: Failed to set port as strict queue |
| 3 | ECS4125EC-156 | 81076530 | uboot delete sdk init log and the problem that EEPROM setings cannot take effect immediately after modification |
| 4 | ECS4125EC-122 | 81076530 | 1QVLAN-1890:Dut didnot learn mac when port ingress-filtering is disabled |
| 5 | ECS4125EC-137 | 03638a98 | ACL-0500 1180 1250:DUT dinnot transmit udp packets with sourceport/destination port 0 |
| 6 | ECS4125EC-145 | 03638a98 | IPv6-MLD-SNP-0120 0150:DUT didnot handle well with multicast router ports |

**Runtime V1.1.0.7 Loader V0.0.2.2**

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| --- | --- | --- | --- |
| 1 | ECS4125EC-163 | a01f47ed2 | DUT will send out double ipv6 leave report when DUT received 1 done packet |
| 2 | ECS4125EC-116 | 1fdc8084 | Syslog memssages generated in flash and ram area ware cleared aftre restarting |
| ~~3~~ | ~~ECS4125EC-169~~ | ~~53d9d27e3~~ | ~~Voice VLAN: This voice phone still join to voice vlan as disable lldp rule~~ |
| 4 | ECS4125EC-128 | db95416c5 | Dut didnot transmit dhcp packets after port enable ip source-guard. |
| 5 | ECS4125EC-166 | bc50b9ae0 | COS: Strict-Wrr queue mode setting not work |
| 6 | 1. [ECS412510P-165](https://jira.accton.com:8443/browse/SWECS412510P-165)
 | 0fe7ccd26 | COS-840,850 : Failed to receive packets with correct ratio |
| 7 | ECS4125EC-109 | b4f6ad82 | Statistics-0090 0180:dut didnot count Multi-cast Input correctly |
| 8 | ECS4125EC-110 | b4f6ad82 | Statistics-0100 0290:dut didnot count Broadcast Input correctly |
| 9 | ECS4125EC-98 | 21bc089c4 | VLAN-ProtocolBased : Function dosen't work |
| 10 | ECS4125EC-113 | f3658c8 | COS-0800: VLAN priority is wrong |
| 11 | ECS412510P-153 | 5c7738fc | PPPoE IA drops PPPoED packets with PPP-Max-Payload |

**Runtime V1.1.0.8 Loader V0.0.2.2**

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| --- | --- | --- | --- |
| 1 | ECS4125EC-252 | c5b3da2d | CableDiag: Connect partner to FE, it showed "IE" on pair A and B. |
| 2 | ECS4125EC-247 | a07762cc | CableDiag: Cable Diagnostics could not test when connected two ECS4125-10P units |
| 3 | ECS4125EC-263 | 315a3e97 | XCVR: "M5 ET5402-DAC-3M" is always down on ECS4125-10P |
| 4 | ECS4125EC-211 | db95416c5 | MVR6:source ipv6 address of group-specific query is wrong when set ipv6 address to mvr6 vlan. |
| 5 | ECS4125EC-255 | c5363822b | DDM: Temperature could not be updated automatically whenraise it by hair dryer |
| 6 | ECS4125EC-253 | c5363822b | DDM: Default configuration about transceiver-threshold is unreasonable |
| 7 | ECS4125EC-219 | 2508466e28 | IPv6\_Route: Default gateway can not be changed when DUT enables autoconfig and receives RA. |
| ~~8~~ | ~~ECS4125EC-201~~ | ~~96a2fafe~~ | ~~DHCPv6 Relay: DUT does not reject to set dhcpv6 relay setting as ipv6 address of vlan1 not defined.~~ |
| ~~9~~ | ~~ECS4125EC-265~~ | ~~96a2fafe~~ | ~~DHCPv6 Relay: DUT does not reject to set reserved ipv6 address as relay destination address.~~ |
| 10 | ECS4125EC-225 | 96a2fafe | DHCPv6 Relay: After we change DHCPv6 relay destination address to multicast-all; DUT cannot send out RelayForw packets. |
| 11 | ECS4125EC-179 | ff0104fa | MIB: DUT does not support this dhcpv6DynamicProvisionStatus MIB |
| ~~12~~ | ~~ECS4125EC-215~~ | ~~3170283~~ | ~~MVR6:the sourc prot without mrouter port sends a registered group report when DUT received general query.~~ |
| 13 | ECS4125EC-231 | f9c03d0 | PoE: Port priority is useless |
| 14 | ECS4125EC-254 | 3e079de | Web: Front panel of web should be the same as HW… |
| 15 | ECS4125EC-216 | 3e079de | Web: Please remove "simple Chinese from language selection of web. |
| 16 | ECS4125EC-176 | 2f2bb4e | CPU guard: We cannot to verify this high-watermark. |
| 17 | ECS4125EC-258 | 2f2bb4ec | Maximum DNS cache can't reach 6400 entries |
| 18 | ECS4125EC-262 | 322d1a7 | CFM: DUT accept to modify this mep\_id, but it does not send out this CCM message. |
| 19 | ECS4125EC-224 | c84996c | CLI: Irregular operation via SFTP is different if cable is disconnected when transferred |
| 20 | ECS4125EC-187 | f7e23fa | ARP Inspection: The ARP Inspection limit cannot work normally |
| 21 | ECS4125EC-227 | b5cf85d | MVR6:MLDSNP is effected when MVR6 is enabled. |
| 22 | ECS4125EC-229 | b5cf85d | MVR6: Normal port can not register group which is in MVR6 profile when mldsnp is enabled. |
| 23 | ECS4125EC-232 | 469d396 | DHCP dynamic provision: Return error as finished pre-provision complete. |
| 24 | ECS412510P-237 | 469d396 |  Systemboot: Got "Open file error" after "copy startup running" is executed |
| 25 | ECS412510P-234 | 469d396 | DHCP dynamic provision: After we execute auto-upgrade successfully, it casuse current image is coverd. |
| 26 | ECS4125EC-217 | c582d9aa | MVR6:Query received in receiver ports would flood to othter receiver ports. |
| 27 | ECS4125EC-257 | b345c48 | Cluster: The SNMP trap relayed by commander always be coldstart trap |
| 28 | ECS4125EC-157 | 6273acee | ssh\telnet client support backdoor research and analysis |
| 29 | ECS4125EC-242 | 87380d67 | MIB: There is no "17" and "19" definition on "Value list" for… |
| 30 | ECS4125EC-218 | 87380d67 | IPv6\_Route: IPv6 internal route is useless. |
| 31 | ECS4125EC-207 | 85374122 | MVR6:Debug:status of mvr6 debug command can not be showed in cli. |
| 32 | ECS4125EC-246 | 0a0fc7fc9 | VLAN-translation: Ingress-filtering could not be startup after reboot |
| 33 | ECS4125EC-240 | 21c53c2c | Packet counters in RMON table is incorrect when packets with random length forward |
| 34 | ECS4125EC-193 | 7e399225e | DHCPv6 Snooping: Incorrect option and policy configuration setting on WEB page. |
| 35 | ECS4125EC-180 | 7e399225e | DHCPv6 Snooping: DUT does not support interface-id and remote-id policy configuration by WEB. |
| 36 | ECS4125EC-183 | 3d8d364e | Diffserv: WebUI supports srTCM and trTcm setting. |
| 37 | ECS4125EC-198 | 63b0099ab | HTTPS:he idie time will reset automatic, the session can no logout |
| 38 | ECS4125EC-184 | 63b0099ab | WebUI: WebUI can not logout automatically after timeout. |
| 39 | ECS4125EC-226 | 2051cbc7 | WatchDog: "ip tftp timeout 900" will trigger watchdog reboot when TFTP server is not existed. |
| 40 | ECS4125EC-185 | e8a5ab11b | MVR6:IPv6-AddrConfig:Link-local address shows "INVALID" |
| 41 | ECS4125EC-200 | 87ae8ad5a | MVR6:WebUI can not be accessed after unbind profile |
| 42 | ECS4125EC-213 | 13488b7 | LLDP: DUT does not send "lldp neighbor change" as reset notify-interval to 5 from 3600 sec. |
| 43 | ECS4125EC-212 | 13488b7 | LLDP: DUT cannot send out LLDP packets as leave port from port-channel. |
| 44 | ECS4125EC-177 | 123aa293 | The web help page is empty |
| 45 | ECS4125EC-182 | 48a2f396 | Tacacs: The timeout value (1-540) of tacacs is too long that will be caused the watchdog event |
| 46 | ECS4125EC-209 | 48a2f396 | Raduis: The timeout value (1-65535) of radius is too long that will be caused the watchdog event |
| 47 | ECS4125EC-194 | c750ee99 | ERPS: After we delete and add ring port DUT return exception and halted and rebooting itself. |
| 48 | ECS4125EC-195 | c750ee99 | ERPS instance Inclusion VLAN group cannot be added in web GUI |
| 49 | ECS4125EC-199 | c750ee99 | DHCPv6 Relay: After we change destination address to "multicast all" from vlan 1.DUT show exception and rebooting itself. |
| 50 | ECS4125EC-162 | 50a9372a | VLAN-IP-SubnetBase-0020:vlan ip subnetbase not work |
| 51 | ECS4125EC-161 | 50a9372a | VLAN-MAC-Based-0120 0160 0170:vlan mac based not work |
| 52 | ECS4125EC-178 | 7e399225e | MIB: DUT does not support this DHCPv6 Relay MIB. |
| 53 | ECS4125EC-172 | 30df5b38c | Change module name to ECS501P |
| 54 | ECS4125EC-169 | 4a3f5979 | Voice VLAN: This voice phone still join to voice vlan as disable lldp rule && porting ECS5520-18X-00366 Voice VLAN: This auto port still join to Voice VLAN after disable OUI or LLDP rule. |
| 55 | ECS4125EC-174 | 4a3f5979 | Voice VLAN: DUT dooes not reject this invalid OUI MAC |
| 56 | ECS4125EC-248 | 4a3f5979 | Voice VLAN: After we enable security on auto-port; this port is joined to voice vlan as it receive invalid OUI MAC packets. |
| 57 | ECS4125EC-171 | 3fcaef11d | CLI "show version" displays wrong version after update runtime to an exist runtime name |
| 58 | ECS4125EC-211 | dbcca14 | MVR6:source ipv6 address of group-specific query is wrong when set ipv6 address to mvr6 vlan. |
| 59 | ECS4125EC-208 | 322d1a7f | MVR6:Receiver port can be changed to access port. |
| 60 | ECS412510P-129  | ccf25784 | Dos-Protection-0070-0120:dos-protection bit-rate-in-kilo be effective after more than 1 minute |
| 61 | ECS412510P-202 |  | IPV6 Source Guard: The static IPv6 SG entry cannot replace this DHCP-SNP and ND-SNP entry. |

**Runtime V1.1.0.9 Loader V0.0.2.3**

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| --- | --- | --- | --- |
| 1 | ECS4125EC-215 | 06c55a6f7 | MVR6:the sourc prot without mrouter port sends a registered group report when DUT received general query. |
| 2 | ECS4125EC-201 | b8be206 | DHCPv6 Relay: DUT does not reject to set dhcpv6 relay setting as ipv6 address of vlan1 not defined. |
| ~~3~~ | ~~ECS4125EC-265~~ | ~~b8be206~~ | ~~DHCPv6 Relay: DUT does not reject to set reserved ipv6 address as relay destination address.~~ |
| 4 | ECS4125EC-270 | 39b7caa5 | snmpget hardware version with an extra line break |
| 5 | ECS4125EC-277 | edff056e | Support mgmtd function for 4125 |
| 6 | ECS4125EC-259 | 68c04a75 | VLAN-translation: Incoming Packets not Matched to VLAN Translation Ingress Setting |
| 7 | ECS4125EC-251 | 68c04a75 | VLAN-translation: VLAN translation does not work when transmission between two units. |
| 8 | ECS4125EC-260 | 68c04a75 | VLAN-translation: Egress Packets Handling is wrong |
| 9 | ECS4125EC-206 | 66281359 | MVR6:source port can not join groups after join groups and clear groups. |
| 10 | ECS4125EC-268 | 09785b66 | ConfigFileMgmt-0130: when DUT auto restart,it print “Open file error” |
| 11 | ECS4125EC-269 | 768473d8 | ACL-0890.mac acl not work when packets are arp |

**Runtime V1.1.0.10 Loader V0.0.2.3**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | ECS4125EC-241 | 4593d33 | SwitchMgmt: Port speed could not be modified via WebUI. (Got !rtkErr:) |
| 2 | ECS4125EC-221 | 4593d33 | MVR6:source port forwards received query to all other source ports and receiver ports when mldsnp mrouter port is set. |
| 3 | ECS4125EC-275 | 0f3732b | VLAN-ProtocolBased-0080 : tagged packets the priority is wrong |
| 4 | ECS4125EC-280 | 9450fbe | Web: Loss DHCPv6 description in Help page. |
| 5 | ECS4125EC-281 | f5d728f | SelectiveQinQ: The SelectiveQinQ functionally does not work on Trunk port. |
| 6 | ECS4125EC-228 | 6244a0f | MVR6:receiver port can not forward multicast data which DIPd are not in MVR6 profile when mldsnp is enabled. |
| 7 | ECS4125EC-300 | fd25fd2 | show version displays incorrect version when upgrade 2 runtimes and set startup runtime |
| 8 | ECS4125EC-292 | 72726c5 | DDM: High Warning & High Alarm shall be triggered when temperature is higher than the value. |
| 9 | ECS4125EC-273 | 72726c5 | MSTP-1150 : DUT no response when Set DUT1 and DUT2 mst name |
| 9 | ECS4125EC-299 | 72726c5 | MSTP: The DUT will freezes and reboot automatically when config the mst instance of MSTP. |
| 10 | ECS4125EC-294 | 72726c5 | ECS4125EC-294 192.168.2.x could not be used when default VLAN 1 is DHCP. |
| 11 | ECS4125EC-301 | e11f04a | web-help page check |
| 12 | ECS4125EC-196 | ff58e01 | http-https:the web page management of dut will cut off when using the chrome to access the https session |
| 13 | ECS4125EC-284 | 16fea1a | Trunk: The DUT will pop error message "DEV\_SWDRV\_SetTrunkLoadBalanceMode(): Line = 6162 , error\_id=589827" when change the port-channel load-balance to dst-ip/src-ip/src-dst-ip. |
| 14 | ECS4125EC-266 | 5d7a28b | Disable tsl 1.0 because a security breach was detected |
| 15 | ECS4125EC-298 | 11dc3dd | Rate-limit:Threshold shall be modified |
| 16 | ECS4125EC-286 | 916ebbd | Subnet VLAN: DUT cannot forward maximum 32 IP subnet VLAN traffic. |
| 17 | ECS4125EC-291 | b6796e9 | DHCPv6 Relay: After we delete and add DHCPv6 Relay, DUT cannot send out DHCPv6 RelayForw to Server.. |
| 18 | ECS4125EC-282 | 2f32747 | MIB: Cannot get this MIB objects "dhcpv6RelayServerInetAddrEntry" and "dhcpv6RelayServerVlanEntry". |
| 19 | ECS4125EC-265 | 8821e7f | DHCPv6 Relay: DUT does not reject to set reserved ipv6 address as relay destination address. |

**Runtime V1.1.0.11 Loader V0.0.2.3**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | ECS4125EC-297 | a355099 | WebHelp:there is no any description for 2.5Gbps |
| 2 | ECS4125EC-309 | 9fac8a4 | MGMTD:there wiil be a logt of logs likes "Reject SNMP 127.0.0.1" when enable mgmtd |
| 3 | ECS4125EC-95 | b11facc | Radius-Acct:The state of supplicant is wrong |
| 4 | ECS4125EC-138 | 3b30885 | ConfigFileMgmt-0130:copy Factory\_Default\_Config.cfg running/copy start running,display error message |
| ~~5~~ | ~~ECS4125EC-290~~ | ~~a367d45~~ | ~~System: DUT still forward DHCP packets to Server and return error as set vlan status to Suspended.~~ |
| 6 | ECS4125EC-312 | be74dc2 | Update https certificate file |
| 7 | ECS4125EC-310 | fd1afdf | VLAN-MAC-Based-0140.MAC\_VLAN tagged frame throug the mac vlan not work well. |
| 8 | ECS4125EC-311 | fd1afdf | VLAN-IP-SubnetBased-0030:subnet-vlan not work. |
| 9 | ECS4125EC-287 | fd1afdf | Subnet VLAN: When DUT receive voice vlan traffic, it forward to subnet vlan. |

**Runtime V1.1.0.12 Loader V0.0.2.3**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | ECS4125EC-316 | b854140 | Change module name to ecs4125-10P |
| 2 | ECS4125EC-314 | 030c680 | Modify web help page error |
| 3 | ECS4125EC-323 | 1bb6b86 | PoE: Web page can not show total PoE power consumption. |
| 4 | ECS4125EC-327 | d6ea1c4 | ConfigFileMgmt: Maximum length shall be 32 not 127 characters. |
| 5 | ECS4125EC-317 | 947d0ca | WEB: DUT does not support DHCPv6 dynamic provision configuration page. |
| 6 | ECS4125EC-326 | e52303b | POE:Power maximun allocation on the port is inaccurate |
| 7 | ECS4125EC-334 | fe34c8c | Voice VLAN:DUT does not reject invalid OUI setting with itself MAC |
| 8 | ECS4125EC-333 | 086c8d6 | Voice VLAN:After we enable and disable security;DUT still drop non-security traffic |
| 9 | ECS4125EC-329 | c6892ea | Diffserv: Policy map cannot bind to the port in egress direction. |
| 10 | ECS4125EC-331 | c6892ea | Diffserv: Policy map cannot bind to the port in ingress direction. |
| 11 | ECS4125EC-330 | 6a66bf9 | Diffserv: Show rule page and help page have meter information. |

**Runtime V1.1.0.13 Loader V0.0.2.3**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | ECS4125EC-441 | ac08ffff | When the temperature of the switch is above the Rising Threshold of 65 degrees (70 degrees in the customer test) the fan was not activated as expected (RPM speed remains 0) |

**Runtime V1.1.0.14 Loader V0.0.2.3**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | ECS4125EC-315 | 539de1e | Exclude vlan print error message |
|  | ECS412510P-394 | cc12e92 | CLI: Please remove "sfp-preferred-auto" and "copper-forced" command  |
|  | ECS412510P-395 | cc12e92 | CLI display error when input "ip dhcp relay information option vlan add(remove) ? " |
|  | ECS412510P-397 | 549e0ed | WEB: This maximum static route number is incorrect in Help page. |
|  | ECS412510P-290 | 7601d1e | System: DUT still forward DHCP packets to Server and return error as set vlan status to Suspended. |
|  | ECS412510P-407 | e4545b7 | RMON: Got big counters after clear counters |
|  | ECS412510P-421 | c0ff482 | ipaddrprimaryinterface and iPaddrstatus code can not get correct data |
|  | ECS412510P-420 | 6fd1302 | [STP-0080] Default path cost with 2.5G full duplex is wrong. |
|  | ECS412510P-393 | 09a892a | CLI: Please integrate 2500 Mbps, 2.5Gbps, 2.5Gfull, 2500full description for UI and user manual. |
|  | ECS412510P-471 | 4a6362a | system up time over 496 days will reset |
|  | ECS4125EC-474 | 3a324a6 | Reduce CPU usage on ECS4125\_10P |
|  | ECS4125EC-447 | 1e0871a | [IPv6-AddrConfig-0280] DAD operation fail |
|  | ECS4125EC-449 | 1e0871a | [IPv6-AddrConfig-0612, 0614] no support show ipv6 default-gateway |
|  | ECS4125EC-488 | af841fe | Static Route: After we add and delete some static routes, it cannot create maximum 256 routes on DUT |
|  | ECS412510P-486 | 4fe3646 | request to mandatory support RSA4096 at 2024. |
|  | ECS412510P-487 | 4fe3646 | Disable encryption "3DES" and "SHA 1 hash" on all Simba projects |
|  | ECS412510P-509 | 8431ec9 | [ACL+copy file] copy Factory\_Default\_Config to running-conifg can not clear ACL rule |
|  | ECS412510P-475 | eaa7ad6 | SNMP Trap: The Fan Fail and Recover trap not defined on mib file. |
|  | ECS412510P\_528 | 4ada638 | DHCPv6 Relay: Configure dhcpv6 client and Change DHCPv6 relay destination address to multicast-all form vlan 1 and system halted |
|  | ECS412510p-529 | 5584dd3 | After creating the VLAN4094, enable IPv6 Enable and show running will display an error message. |
|  | ECS412510P-515 | 91e89ac | The MAC-VLAN will still take effect after remove the MAC-VLAN entry. |
|  | ECS412510P-538 | 91e89ac | ECS4125-10P change fan min speed to 35% |

**Runtime V1.1.0.15 Loader V0.0.2.3**

|  |  |  |  |
| --- | --- | --- | --- |
|  | ECS4125EC-542 | 96e1a87 | IPv6-AddrConfig: CLI show -1 when set ipv6 nd prefix Valid lifetime or Preferred lifetime to 4294967295. |
|  | ECS412510P-533 | 871ccde | MLDV2: MVR: DUT down when set mvr domain 1 type source |
|  | ECS412510P-532 | b8c7b7b | cant't forward packets and watchdog reboot. |
|  | ECS412510P-555 | ac8b268b | Ping: CLI only supports 64 characters length of target hostname. |
|  | ECS412510P-556 | 9a54e9a | ECS4125 Mac address table missing for ecloud(update mtmtd tar packages to 1.8.11-17293) |
|  | ECS412510P-539 | 8454a1e | Syslog: "Copy sftp file" does not list log. |
|  | ECS412510P-558 | 37bde8b | DDM:"!" is still existed even transceiver-monitor is disabled |
|  | ECS412510P-514 | 6da9252 | Missing option remote-description in ip dchp snooping information option remote-id command |
|  | ECS412510P-325 | c34a24e | DHCP Relay: DUT accept invalid DHCP relay setting with network\_ID and itself IP[L2]  |
|  | ECS412510P-557 | b344692 | Enhancement:Tacacs authorization failover requirement |
|  | ECS4125EC-559 | 3bb56f4 | ImageMgmt: The same version shall be set to "Failed". |
|  | ECS4125EC-561 | 85274b8 | snmp-server notify-filter not working |
|  | ECS4125EC-566 | 6fe0174 | Additional SNMP communities adoptd\_private and adoptd\_public for phase1 |
|  | ECS4125EC-552 | 315da9e | [IPv4-RemotePing-0260]DUT doesn't reply ICMP TimeStamp Request. |
|  | ECS4125EC-576 | 707050a | ACL: Some ACE cannot be set. |
|  | ECS4125EC-419 | 733ed53 | MVR6:CLI shows error message when delete static group. |
|  | ECS4125EC-409 | d3378c0 | MVR6:Receiver port can be changed to access port. |
|  | ECS4125EC-563 | 5f9ae92 | #32870 SNMP get wrong Port Speed value |
|  | ECS4125EC-580 | a6e54d98 | CableDiag: Pair C and D display "NS" is better than "NT" when it's connected to 10/100Mbps. |
|  | ECS4125EC-560 | ea79c46 | ECS4125-10P 10G SFP+ should not support down the speed to 100M. |
|  | ECS4125EC-554 | b15190d | Enhancement: Save the output of "show tech\_support" onto flash. |

**modifications:**

**Loader V0.0.2.3**

|  |  |
| --- | --- |
| 1 | Use '\0' instead of '\n' when update UC memory by eeprom hwinfo. |

**Loader V0.0.2.2**

|  |  |
| --- | --- |
| 1 | read/write Hwinfo from EEPROM instead of FLASH |

**Loader V0.0.2.1**

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

**Runtime V1.1.0.1**

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

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

**Known Bugs and Issues:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | ECS412510P-553 | [VLAN-MAC-Based-0060] MAX MAC VLAN Entry can not reach to 256 |  |

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

NA

**Known RESTRICITIONS AND Limitations:**

|  |  |  |
| --- | --- | --- |
|  | Limitation Type | Description |
| 1 | Board limitation | No HW reset button |
| 2 | Board limitation | No HW watchdog function |
| 3 | Chip limitation | ECS4125 Port 1-8 does not support forced 1000m, but only forced 100m/10m |
| 4 | Chip limitation | RTL9310 chip does not support enabling auto negotiation for fiber port 9/10 |
| 6 | Chip limitation | RTL9310 chip known issue: sFlow packet won’t be dropped until packet buffer is used out. |
| 7 | Chip limitation | CableDiag: Cable length tolerance exceed 10 meters when length less than 10M |
| 8 | Chip limitation | TRL9310 chip did not transmit udp packets with sourceport/destination port 0 |
| 9 | Chip limitation | ACL no discards source MAC with ARP request(because of system will apply an acl to trap arp request packet to cpu,and the priority is hight than the mac acl) |
| 10 | Chip limitation | 239.x.x.x 224.0.0.x 224.0.1.x these multicast management packets cannot be considered as an unknown packets，and will be flood |
| 11 | Chip limitation | Max nubmer of MAC-VLAN entry can not reach to 256 because of the resource of chip,so the max number will change to 128. |

**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) |
| IEEE802.1X 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
 |

**ECS5520 SERIES Private Enterprise MIB Support:**

|  |  |
| --- | --- |
| **Title** | Version |
| ECS4125-Series.mib | 202201070000Z |

**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: