Gigabit Ethernet Switch ECS5520-18X

***Phase 1 Firmware Version 1.1.70.202***

**INTRODUCTION:**

The ECS5520-18X is a 16\*10G SFP+ ports plus 2\*40G uplink ports L2+ 10GbE Switch.

Local Console Management (LCM) allows the user to monitor and configure the ECS5520-28X from a VT-type terminal. LCM can be used to configure features such as SNMP community names and access rights, Port Enable/Disable, firmware downloads, and Device IP address as well as most other parameters. LCM can also provide statistical and diagnostic information about the entire device or an individual port.

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

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

**Firmware Specification:**

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| **Status** | **Version No.** | **Type** | **Release Date** |
| Phase1 Testing Version | 0.1.0.0 (03.25.09.24) (Commit 4e069c68) | Init and EIT1 Version  Gitlab:ECS5520\_Phase1 Branch (2019/3/25) | 2019/3/25 |
| RD test version | 0.1.0.1 (Commit f7ce2364) | RD Test Version Gitlab:ECS5520\_Phase1 Branch (2019/4/1) | 2019/4/1 |
| RD test version | 0.1.0.2 (Commit f7ce2364) | RD Test Version Gitlab:ECS5520\_Phase1 Branch (2019/4/19) | 2019/4/19 |
| Testing | 0.2.0.0 (Commit 9a6bf687) | EIT Test Version Gitlab:ECS5520\_Phase1 Branch (2019/4/30) | 2019/4/30 |
| Testing | 1.0.1.192 (Commit 7f28bcbb) | NTC Test Version Gitlab:ECS5520\_Phase1 Branch (2019/5/10) | 2019/5/10 |
| Testing | 1.0.2.192 (Commit 05bf4679) | EIT Test Version Gitlab:ECS5520\_Phase1 Branch (2019/5/16) | 2019/5/16 |
| Testing | 1.0.3.192 (Commit 67ef0b7c) | EIT Test Version Gitlab:ECS5520\_Phase1 Branch (2019/5/24) | 2019/5/24 |
| Testing | 1.0.4.192 (Commit 2364dd7d) | EIT, NTC Test Version Gitlab:ECS5520\_Phase1 Branch (2019/5/31) | 2019/5/31 |
| Testing | 1.0.5.192 | EIT Test Version Gitlab:ECS5520\_Phase1 Branch (2019/6/14) | 2019/6/14 |
| Testing | 1.0.6.192 | EIT Test Version Gitlab:ECS5520\_Phase1 Branch (2019/6/25) | 2019/6/25 |
| Testing | 1.0.7.193 | EIT Test Version Gitlab:ECS5520\_Phase1 Branch (2019/7/30) | 2019/7/30 |
| Testing | 1.0.8.193 | EIT Test Version Gitlab:ECS5520\_Phase1 Branch (2019/9/17) | 2019/9/17 |
| Testing | 1.0.9.193 | NTC Test Version  Gitlab:ECS5520\_Phase1 Branch (2019/9/28) | 2019/9/28 |
| Testing | 1.1.0.194 | EIT, NTC Test Version Gitlab:ECS5520\_Phase1 Branch (2019/10/23) | 2019/10/23 |
| Testing | 1.1.1.194 | EIT, NTC Test Version Gitlab:ECS5520\_Phase1 Branch (2019/11/06) | 2019/11/06 |
| Testing | 1.1.2.194 | EIT, TS Test Version Gitlab:ECS5520\_Phase1 Branch (2019/12/06) | 2019/12/06 |
| Testing | 1.1.3.201 | EIT, TS Test Version Gitlab:ECS5520\_Phase1 Branch (2020/3/2) | 2020/3/2 |
| Testing | 1.1.70.202 | EIT, TS Test Version Gitlab:ECS5520\_Phase1 Branch (2020/6/22) | 2020/6/22 |

**LOADER:**

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| --- | --- | --- | --- |
| **Status** | **Version No.** | **Type** | **Release Date** |
| Test Version | 0.0.0.3 | Init Version | 2019/1/24 |
| Test Version | 0.0.0.4 | Gitlab:ECS5520\_Phase1 Branch (2019/6/14) | 2019/6/14 |

**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 ECS5520\_FeatureSpec\_20190906.XLSX

**Installation and Configuration Notes:**

In general, the ECS5520-18X **Switch** will be shipped to you pre-configured with this version of firmware. If you would like to upgrade an existing ECS5520-18X **Switch,** please follow the TFTP download instructions that are included with your firmware image upgrade kit.

**Firmware Changes and Enhancements:**

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

**Loader V0.0.0.3**

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|  |  | Init |

**Loader V0.0.0.4**

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| 1 | ECS5520-18X-00298 | maskout unnecessary uBoot output message |
| 2 | ECS5520-18X-00298 | Change uboot version display information to 0.0.0.4 |

**Runtime V0.1.0.0 (03.25.09.24)**

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| --- | --- | --- |
|  |  | Init |

**Runtime V0.1.0.1, Loader V0.0.0.3**

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| --- | --- | --- |
| 1 | 0cebcce9 | Remove SNMP support for AutoNegotiation feature |
| 2 | d58b1770 | WEB command implementation of mrouter-forward-mode |
| 3 | ae0da85a | WEB command implementaion of ipv6 multicast data drop |
| 4 | a354a0d3 | OPCODE version number fix for ECS5520 |
| 5 | 068cb761 | MVR source port mode forward command not available in ECS5520 |
| 6 | ECS5520-18X-00003 b056ebe9 | [Enhancement] Remove OAM CLI/Web dying-gasp command [Cli tree part] |
| 7 | ECS5520-18X-00003 9b018e56 | [Enhancement] Remove OAM CLI/Web dying-gasp command [Non CLI tree part] |
| 8 | 42097702 | ARP Issue Fix for ECS5520 |
| 9 | 2b26f345 | Arp Flush-out issue |
| 10 | 1c1c451f | IP address Display issue in DAI log |
| 11 | 4dc470c3 | ecs5520 ecmp changes |
| 12 | 55ae74ea | Maximum supported mac entry to 32K in ECS5520 |
| 13 | 0ea9be3e | Added new cli changes for ftps (copy file ,running-config,startup-config) |
| 14 | ECS5520-18X-00005 0a39fc3c | MAC ACL filter IP pattern didn't work. |
| 15 | 973937e4 | QoS same priority traffic fairness queue fix |
| 16 | 098b81c0 | File FTPS feature added into web part |
| 17 | 142d6112 | Report Suppression feature added into web |
| 18 | 699226f0 | Auto Negotiation and capability feature removed from web part. |
| 19 | 71813fd0 | Update Certificate Files |
| 20 | 4263f20b | DNS socket issue in ECS5520 |
| 21 | 9deb098a | Tmp ecs5520 ntp show cmd fix |
| 22 | 08952ea0 | File copy ftps functionality enbale through snmp |
| 23 | f7ce2364 | Add SNMP support for newly added vlan-translation options |

**Runtime V0.1.0.2, Loader V0.0.0.3**

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| --- | --- | --- | --- |
| 1 | ECS5520-18X-00006 | 88b721df | Loopback-Interface-0180:invalid info can be set |
| 2 | ECS5520-18X-00009 | 6122cedb | Jumbo frame:dut lost mtu packets when jumbo frame is enable |
| 3 | ECS5520-18X-00011 | 1b849a95 | L2SW-0410:DUT lost packets when Receive pause frame from other port |
| 4 | ECS5520-18X-00012 | ed16939c | L2SW-0360 0450:DUT didnot work well with flowcontrol type Dot3x |
| 5 | ECS5520-18X-00017 | 3a31d7cb | UDLD: CLI can show command ,but spec no support (ECS5520\_FeatureSpec\_20190320.xlsx) |
| 6 | ECS5520-18X-00019 | 4668848d | l2protocol-tunnel：there is l2protocol-tunnel config exist when boot the switch with factory default config. |
| 7 | ECS5520-18X-00020 | 09ff1604 | MLAG : Remote FDB is wrong |
| 8 | ECS5520-18X-00021 | f15d705f | MLAG -0040: MLAG configuration can NOT be saved after reloading |
| 9 | ECS5520-18X-00022 | 3ae8ee95 | MLAG 0070,80,90: MLAG behavor is wrong |
| 10 | ECS5520-18X-00024 | f4ed0cb7 | vlan-translation:There is no vlan-translation display for trunk interface |
| 11 | ECS5520-18X-00029 | 733f6f85 | CLI: DoS Protection command missed in CLI |
| 12 | ECS5520-18X-00040 | 27a9a857 | BOOTP: CLI can show command ,but spec no support (ECS5520\_FeatureSpec\_20190320.xlsx) |
| 13 | ECS5520-18X-00042 | 79312f90 | There is pbr command when dut not support policy based routing |
| 14 | ECS5520-18X-00043 | 88b721df | There is loopback interface when dut not support Loopback intereface |
| 15 | ECS5520-18X-00044 | 717390e2 | DHCP: CLI can show command DHCPINFO ,but spec no support (ECS5520\_FeatureSpec\_20190320.xlsx) |
| 16 | ECS5520-18X-00052 | 1fed07ee | CLI-STP: These command is missing in cli,but support in SPEC stp\_cmd.doc |
| 17 | ECS5520-18X-00056 | 81f1a187 | There is rip command when dut not support rip |
| 18 | ECS5520-18X-00057 | 81f1a187 | there is ospf /ospf v6command when dut not support |
| 19 | ECS5520-18X-00059 | 81f1a187 | Ther is ip udp helper command when dut not support |
| 20 | ECS5520-18X-00062 | 81f1a187 | there is bgp command when dut not support |
| 21 | ECS5520-18X-00069 | e48b2b8e | Number of ACE (SW) and Number of ACE per ACL (SW) support 3072 in spec when dut support 2048 |
| 22 | No-EPR | 02c7ed50 | Issue on ECMP, when any of its ARP or MAC get deleted |
| 23 | No-EPR | 19dd5933 | ECMP Load sharing not observed when the UDP port number is incremented / Decremented |
| 24 | No-EPR | 9cab563c | fix ipv6 ecmp bug |
| 25 | No-EPR | 81f1a187 | delete rip/ospf/ospfv3/bgp/udphelper |
| 26 | No-EPR | 975eab34 | fix ECS5520.mib file compile error and warning problems |
| 27 | No-EPR | 8ecf74c0 | fix compile error for ECS5520-18X-00052 |

**Runtime V0.2.0.0, Loader V0.0.0.3**

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| --- | --- | --- | --- |
| 1 | ECS5520-18X-00013 | Fix in previouse commit | LACP-0150: Loadbalance is wrong |
| 2 | ECS5520-18X-00014 | 0e813432 | LACP-0210,0220,0230: Traffic can NOT be forward when LAG main member is shutdown |
| 3 | ECS5520-18X-00063 | fdfd4058, 56033ae0 | Cluster-CLI: Cli can show command ,but spec no support (ECS5520\_FeatureSpec\_20190320.xlsx) |
| 4 | ECS5520-18X-00064 | cf3f59be | There is ipv6 mld command when dut not support |
| 5 | ECS5520-18X-00065 | 78cf494d | VRRP-CLI: CLI can show command ,but spec no support (ECS5520\_FeatureSpec\_20190320.xlsx) |
| 6 | ECS5520-18X-00068 | fixed indirectly in ECS5520-18X-00064 | There is command "ipv6 mld proxy " when dut doesnot support |
| 7 | ECS5520-18X-00075 | 8585c216 | arp: Arp display not in sort when add 512 ip interface |
| 8 | ECS5520-18X-00077 | 01f1b3fa | CLI: The spec of ECS5520(ECS5520\_FeatureSpec) is standalone but we can find stacking command in CLI |
| 9 | ECS5520-18X-00078 | 72913470 | arp: only vlan 1-256 vlan ip and mac display in the arp table with 512 ip interface and 10K arp request |
| 10 | ECS5520-18X-00079 | a3f0381a | TCAM: Total TCAM rules display is 6144, feature spec is 3k |
| 11 | ECS5520-18X-00080 | 1f75826e | POE-CLI : CLI can show command ,but spec no support (ECS5520\_FeatureSpec\_20190320.xlsx) |
| 12 | ECS5520-18X-00081 | Fix indirectly in ECS5520-18X-00003 | OAM-Dyning gasp-CLI: CLI can show command ,but spec no support (ECS5520\_FeatureSpec\_20190320.xlsx) |
| 13 | ECS5520-18X-00083 | 4545e7ef | FeatureSpec: the space of SDRAM is 2G on ECS5520\_FeatureSpace, but the total space is 134M in CLI |
| 14 | ECS5520-18X-00088 | b568b7e1 | Web ERPS with Multiple instance |
| 15 | No-EPR | d22f99df | The menu tree of the help web page is not same with the menu tree of main web page. |
| 16 | No-EPR | 281cd2b3 | sFlowRcvrDatagramVersion defined default value V5,but realized V4. |
| 17 | No-EPR | bcf5e316 | no auto upgrade reload in snmp/web |
| 18 | No-EPR | b29e9c68 | Set rspan source/destination/uplink port with non-existent port, there is no error information. |
| 19 | No-EPR | 625727bb | fix ping6 with hostname bug |
| 20 | No-EPR | 9a6bf687 | fix Compile issue. Fix wrong macro location. |

**Runtime V1.0.1.192, Loader V0.0.0.3**

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| --- | --- | --- | --- |
| 1 | ECS5520-18X-00018 | d3f25b26 | IGMP-Snooping-0720:DUT did not handle Maximum entry of multicast forwarding table well |
| 2 | ECS5520-18X-00039 | f270479b | Rate limit issue of packet size greater than 800 |
| 3 | ECS5520-18X-00041 | Fix indirectly by ECS5520-18X-00060 | There is igmp proxy command when dut not support igmp v1/v2 proxy |
| 4 | ECS5520-18X-00058 | Fix indirectly by ECS5520-18X-00060 | there is l3 ip igmp command when dut not support |
| 5 | ECS5520-18X-00060 | 492f900f | Multicast Routing-CLI: CLI can show command ,but spec no support(ECS5520\_FeatureSpec\_20190320.xlsx) |
| 6 | ECS5520-18X-00061 | Fix indirectly by ECS5520-18X-00060 | PIM-CLI: CLI can show command ,but spec no support (ECS5520\_FeatureSpec\_20190320.xlsx) |
| 7 | ECS5520-18X-00084 | d2727443 | At the 56 times cold start and warm start, DUT cannot boot up and auto reboot by watchdog |
| 8 | ECS5520-18X-00087 | e3fffc51 | [Enhancement] Remove MVR6 component |
| 9 | ECS5520-18X-00096. | 695f1cda | Invalid SSHv2 key type (DSA) is copied to DUT without error message during test automation |
| 10 | ECS5520-18X-00097 | 7715616a | [enhance] use enhancement backdoor password |
| 11 | ECS5520-18X-00098 | c1abeada | [enhance] enable software license. |
| 12 | ECS5520-18X-00111 | 6297b9d4 | ECMP-0160: Repeatedly remove each MAC then add back ,the traffic can NOT recover at once |
| 13 | ECS5520-18X-00112 | 90499891 | 802.1x: DUT exception and auto reboot with watchdog when 802.1x authentication |
| 14 | No-EPR | bc2ac175 | ECS5520-18X-00060\_for\_fix\_build\_error |
| 15 | No-EPR | 7f28bcbb | ECS5520-18X-00060\_for\_fix\_build\_error\_part2 |

**Runtime V1.0.2.192, Loader V0.0.0.3**

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| 1 | ECS5520-18X-00110 | 05bf4679 | vlan-translate:"show vlan-translation interface port-channel <0-26>" should be <1-26> |
| 2 | ECS5520-18X-00115 | 25b148ba | change the fan speed control temperature threshold value. T1 = 47℃, T2 = 65℃ |
| 3 | ECS5520-18X-00117 | 08fb6ee1 | stack:stack show command still exist in the cli as ECS5520 not support stack |
| 4 | ECS5520-18X-00124 | a7abec87 | CraftPort-003:Can't configure IPv6 Link-local address well on Craft port. |
| 5 | ECS5520-18X-00131 | fafa5fcc | In the security backdoor, an exception occurs when you press the Enter key directly or enter space. |

**Runtime V1.0.3.192, Loader V0.0.0.3**

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| --- | --- | --- | --- |
| 1 | ECS5520-18X-00076 | ecc4df5e | FeatureSpec: the L2 multicast table is 4K on FeatureSpec, but the test result is 1024 |
| 2 | ECS5520-18X-00085. | 67ef0b7c | [Enhance] AAA TACACS: No system-auto privilege authorization following login authentication. |
| 3 | ECS5520-18X-00130 | 6893498c | There is show "/etc/rc.accton: 37: /usr/bin/pim\_proc: not found" while reboot after "Finished setting transition mode ...". |
| 4 | ECS5520-18X-00134 | a980f66b | Mirro VLAN: DUT doesn't reject to join this monitor port to Trunk. |
| 5 | ECS5520-18X-00135 | 65245e37 | WEB: DUT doesn't display any information in Help page. |
|  | ECS5520-18X-00136 | 43465649 | MIB: This MIB file cannot be compiled successfully. |

**Runtime V1.0.4.192, Loader V0.0.0.3**

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| 1 | ECS5520-18X-00010 | 92b06bea | loopback-detection: DUT would hang when insert specific SPF module |
| 2 | ECS5520-18X-00089 | 92b06bea | System: Shutdown fiber-copper port cause DUT auto reboot by watchdog with special fiber module insert |
| 3 | ECS5520-18X-00103 | 92b06bea | "show interface switch" will cause device watchdog reboot with specical fiber module insert |
| 4 | ECS5520-18X-00113 | af891d33 | ACL:DUT restart repeatly after save config and reload dut with max aces |
| 5 | ECS5520-18X-00122 | f0b8c964 | IPv6-MLD-SNP-0020:DUT receive twice Link-local scope multicast packets when ipv6 mld snooping enabled |
| 6 | ECS5520-18X-00139 | cd691962 | Mirro-VLAN-Based: DUT reject to remove mirro setting from mixed mirro setting. |
| 7 | ECS5520-18X-00142 | 291daaad | 802.1X-QoS: configure the static QoS that will success, but the port status is authenticated and assigns dynamic qos |
| 8 | ECS5520-18X-00147 | 9c627c0f | enable reset button |
| 9 | ECS5520-18X-00152 | same to ECS5520-18X-00135 which check in via V1.0.3.192 | OAM: There is no OAM WEB help page. |
| 10 | ECS5520-18X-00155 | 303136e9 | ACL: IP rules in MAC ACL can not be showed in Show Hardware Counter web page. |
| 11 | ECS5520-18X-00157 | 65b6eeef | Systemboot: Got error message when booup by Factory\_Default\_Config.cfg. |
| 12 | ECS5520-18X-00164 | 6894d5f0 | Mirror-ACL-Based: Destination Port can allow to join port-channel. |
| 13 | ECS5520-18X-00168 | af8f6eb5 | WebMgmt: AppScan got some high risk level vulnerabilities about HTTP/HTTPS |
| 14 | ECS5520-18X-00172 | 291daaad, 1bd4fa26 | 802.1X-DQ0S-0100:ratelimit input can be changed when port applied dynamic QoS |
| 15 | ECS5520-18X-00180 | af037458 | DHCP Snooping: The rate-limit cannot work as it set to minimum value. |
| 16 | ECS5520-18X-00196 | ba0a2fee | CraftPort: Default gateway set on craftport can not be showed. |
| 17 | ECS5520-18X-00197 | ba0a2fee | CraftPort: Craft can not support multiple IP address (secondary). |
| 18 | ECS5520-18X-00204 | d63959e2 | [Enhancement] initial IP address 192.168.2.10/24 on DHCP mode |
| 19 | ECS5520-18X-00205 | 0d371693 | [Enhancement] Disable IGMP Snooping by default |
| 20 | ECS5520-18X-00206 | ec518fcd | [Enhancement] Disable Spanning-tree loop-back detection by default after enable spanning-tree protocol |
| 21 | ECS5520-18X-00207 | 6661c217 | [Enhancement] Disable Spanning-tree protocol by default |
| 22 | ECS5520-18X-00208 | 94a5b48c | [Enhancement] Disable Denial of Service by default |
| 23 | ECS5520-18X-00209 | d2a7463e | [Enhancement] Enable non-stp loopback detection by default |
| 24 | ECS5520-18X-00210 | 78ddfacb | [Enhancement] Disable Broadcast storm control by default. |
| 25 | ECS5520-18X-00211 | 0a0af129 | [Enhancement] Enable "ingress filtering" by default. |
| 26 | ECS5520-18X-00212 | 0abd009b | ImageDownload: Copy the same opcode from TFTP is rejected, but if it's copied from USBdisk is accepted. |
| 27 | ECS5520-18X-00213 | fixed indirectly by ECS5520-18X-00227 | RSTP: We cannot enable this spanning-tree loopback-detection setting by WEB. |
| 28 | ECS5520-18X-00214 | fixed indirectly by ECS5520-18X-00227 | RSTP: The Web doesn't support loopback-detection with block mode. |
| 29 | ECS5520-18X-00223 | 2364dd7d | MSTP: The cost counter of 40G is wrong |
| 30 | ECS5520-18X-00227 | 86ec766d | [enhance] remove the block action of STP loopback detection and non-stp loopback detection. |
| 31 | ECS5520-18X-00235 | 2364dd7d | RSTP: The blocked port should not be 40G Port under looping environment. |
| 32 | ECS5520-18X-00236 | f0b8c964 | MLDSNP: DUT floods double ff02::x packets to other ports when MLDSNP is enabled. |
| 33 | ECS5520-18X-00239 | e2bb9878 | Dynamic Provision: DUT should not get bootfile as disable this Dynamic Provision. |

**Runtime V1.0.5.192, Loader V0.0.0.4**

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| --- | --- | --- | --- |
| 1 | ECS5520-18X-00106 | ECS5520-18X-00208 | VLAN-ProtocolBased-0060 : DUT can not receive all IP frame in ethernet type |
| 2 | ECS5520-18X-00157 | 65b6eeef | Systemboot: Got error message when booup by Factory\_Default\_Config.cfg. |
| 3 | ECS5520-18X-00166 | 78eb7558 | IPV4 Source Guard: The maximum ACL binding number is incorrect in CLI. |
| 4 | ECS5520-18X-00167 | ECS5520-52T-00170 | Syslog: logging level command is disappeared on ECS5520, but it's supported on ECS4100. |
| 5 | ~~ECS5520-18X-00169~~ | ~~ee165512~~ | ~~SNTP: The DUT cannot keep the current time after clod start (Verify fail)~~ |
| 6 | ECS5520-18X-00170. | c9404945 | Log message in “show log flash” is cleared in case unplug power cord |
| 7 | ECS5520-18X-00171 | c5abd5ff | SNTP: The hostname of sntp can to set nonexistent hostname, but the nonexistent hostname of ntp is reject |
| 8 | ECS5520-18X-00181 | 8c545340 | The runtime code has not initialized this pin MPP[5] before, it should be set as the input pin. |
| 9 | ECS5520-18X-00183 | 0d3464bf | WebMgmt: Almost all web help are "404 Not Found" except Dashboard and File. |
| 10 | ECS5520-18X-00188 | 4a682860 | TACACS+Acct: The DUT is only support one configure of TACACS server. |
| 11 | ECS5520-18X-00195 | 3d46fd54 | StormCtrl: Maximum value is not inconsist, please integrate them. |
| 12 | ECS5520-18X-00202 | 7467925f | ConfigFileMgmt: No warning message, reply "Success", and list filename(0 byte) when USBdisk is full |
| 13 | ECS5520-18X-00217 | edf3faa1 | ConfigFileMgmt: When it's rejected by exceed the maximum number, it still listed "succeeded" on log history. |
| 14 | ECS5520-18X-00220 | 324e4c0a | LLDP: Please remove dot3 PoE tlv from LLDP command. |
| 15 | ECS5520-18X-00221 | 396441c9 | MVR: Status of linkdown source port is wrong. |
| 16 | ECS5520-18X-00222 | 4c1cb5aa | PortTrunk: The maximum number of port-channel can be created over 12. |
| 17 | ECS5520-18X-00226 | 8c53a551 | STP: DUT cannot display any bebug information as set debug with topology and root even. |
| 18 | ECS5520-18X-00229 | ECS5520-18X-00010 | Ping: After disconnect SPT blocking port, the ping response time increased. |
| 19 | ECS5520-18X-00234 | ECS5520-18X-00147 | HW: DUT will not reboot after press "Reset" button however press it 3 or 10 seconds |
| 20 | ECS5520-18X-00241 | 12b78c14 | ImageMgmt: No any warning message when reload the DUT while firmware is being transferred via TFTP |
| 21 | ECS5520-18X-00245 | ECS5520-18X-00076 | IGMP-SNP: The maximum number of IGMP group is not 4096. |
| 22 | ECS5520-18X-00247 | 324e4c0a | LLDP: Please remove LLDP-MED ext-poe tlv command. |
| 23 | ECS5520-18X-00259 | 716d0829 | ERPS: Remove execluded VLAN-group, CLI return exception. |
| 24 | ECS5520-18X-00261 | 12b78c14 | ImageMgmt: No warning message then reboot immediately when reload the DUT while firmware is uploading |
| 25 | ECS5520-18X-00262 | 8ca94486 | MVR: Dynamic mrouter port of IGMPSNP can not be created when MVR domain is enabled. |
| 26 | ECS5520-18X-00263 | f2971378 | WebUI: Flow control could not be enabled/disabled by WebUI |
| 27 | ECS5520-18X-00272 | 71700252 | SMTP: "Console(config)#no logging sendmail level 5" should not be set. |
| 28 | ECS5520-18X-00279 | eef946f8 | RateLimit: Threshold value is wrong |
| 29 | ECS5520-18X-00281 | 888191d1 | 1QVLAN: Failed to remove VLAN range since some VLAN status is RSPAN. |
| 30 | ECS5520-18X-00284 | f0d62655 | RSTP: CLI display this Root port information isn't matched with WEB. |
| 31 | ECS5520-18X-00298 | 638f4d03, e8fddc2a | Have option to hide the sensitive message from uboot while DUT booting. |

**Runtime V1.0.6.192, Loader V0.0.0.4**

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| --- | --- | --- | --- |
| 1 | ECS5520-18X-00074 | d3434855 | CLI: The L2 MAC table is 32K on FeatureSpec, but the test result is 64k |
| 2 | ECS5520-18X-00101 | a2a93772 | L2SW-0650:dut lost packets when two port send broadcast packets at the same time with load over 50% |
| 3 | ECS5520-18X-00114 | d3434855 | mac-address-table:it will take about 20s to display all 10 learnt mac address |
| 4 | ECS5520-18X-00144 | EPR-00221 | MVR-0580: The status of MVR port eth1/1 is not Inactive/Discarding |
| 5 | ECS5520-18X-00153 | 1a9dfc92 | OAM: After OAM remote device is down, the unexpected event log was recorded. |
| 6 | ECS5520-18X-00189 | 318417e6 | Time-range: Web page does not display status of time range. |
| 7 | ~~ECS5520-18X-00251~~ | ~~27bb8d54~~ | ~~Web: The memory utilization in dashboard is incorrect. (Verify fail in this version)~~ |
| 8 | ECS5520-18X-00306 | 84d7ff62 | ConfigFileMgmt: Start-UP OPCODE/Config can be deleted in Web |
| 9 | ECS5520-18X-00314 | EPR-00281 | RSPAN: Can not delete multiple RSPAN VLANs by "no vlan", but, it can be run when normal VLAN. |
| 10 | ECS5520-18X-00324 | 16b0e2f9 | MIB: Set null value by igmpSnoopProfileCtlStartInetAddress cause DUT crash. |
| 11 | ECS5520-18X-00328 | 7639ca45 | WEB: Can't display linkup down trap information in trunk list. |
| 12 | ECS5520-18X-00329 | ceb3d017 | Web: The dynamic trunk is in static trunk list. |
| 13 | ECS5520-18X-00332 | d3434855 | L2SW: MAC-learning is too slow |
| 14 | ECS5520-18X-00334 | 34f792df | LACP: After reboot the switch, static mac-address entries will not work on LACP trunk which not bind lacp admin-key. |
| 15 | ECS5520-18X-00337 | 941f8d61 | StormCtrl: Please remove the description about percent mode if it's not supported. |

**Runtime V1.0.7.193, Loader V0.0.0.4**

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| --- | --- | --- | --- |
| 1 | ECS5520-18X-00036 | 35bd1a58 | Observing delay in 'dot1q-tunnel system-tunnel-control' command execution. |
| 2 | ECS5520-18X-00129 | ECS5520-18X-00101 | IGMP-Filter: Can not receive all multicast data |
| 3 | ECS5520-18X-00141 | 9dec184f | IPv6 Soource Guard: This error message is incorrect as input invalid Port and Unit number. |
| 4 | ECS5520-18X-00150 | 627e0222' | NTP: Cannot set the Host name of NTP server by WEB management |
| 5 | ECS5520-18X-00151 | ECS5520-18X-00350 | WebMgmt: Language of WebUI is different when browser is Firefox\_65.0.1&65.0.2. |
| 6 | ECS5520-18X-00169 | ee165512, f520aa77, a2cc7dc9 | SNTP: The DUT cannot keep the current time after clod start |
| 7 | ECS5520-18X-00176 | 7ed8584c | ACL: Hardware counter is useless when ping to management IPv6 address. |
| 8 | ECS5520-18X-00178 | b4480005 | SwitchMgmt: CLI/WebUI is different (media-type design) |
| 9 | ECS5520-18X-00187 | 096566f4 | Web: The dashboard is incorrect when we login web page. |
| 10 | ECS5520-18X-00194 | ECS5520-18X-00226 | DHCP Snooping: DUT lose some DHCP message in debug mode. |
| 11 | ECS5520-18X-00200 | bc0edf59 | MVR: Source IP address of general query sent from receiver port is wrong. |
| 12 | ECS5520-18X-00249 | 6bca8ac0 | LLDP: In DOT3 MAC/PHY configuration TLV, the auto-negotiation shows supported. |
| 13 | ECS5520-18X-00251 | 27bb8d54, 318f0a49 | Web: The memory utilization in dashboard is incorrect. |
| 14 | ECS5520-18X-00252 | 7ebd06af | RateLimit: Default running-config has problem and not consistent. |
| 15 | ECS5520-18X-00255 | 287a684b | DHCP Server: We cannot set pool setting by WEB as the pool-name is maximum 32 characters. |
| 16 | ECS5520-18X-00256 | 209342e4' | DHCP Server: The lease time range is incorrect by WEB. |
| 17 | ECS5520-18X-00257 | 209342e4' | DHCP Server: The netbios and next server setting is incorrect by WEB. |
| 18 | ECS5520-18X-00260 | 0e52f6d5 | ERPS: Failed to clear ERPS statistic count by WEB. |
| 19 | ~~ECS5520-18X-00288~~ | ~~eb9d8502~~ | ~~WEB: Some DHCP Snooping description must be modified to DHCPv6 Snooping. (#00384 merge back. Should fix in future version)~~ |
| 20 | ~~ECS5520-18X-00289~~ | ~~766b7e2d~~ | ~~WEB: Some ERPS domain description must be modified since it isn't supported. (#00384 merge back. Should fix in future version)~~ |
| 21 | ECS5520-18X-00291 | 7ed8584c | ACL: Packets that ping to DUT can not be counted by ACL hardware counter. |
| 22 | ECS5520-18X-00297 | f0718dd6 | MLDSNP: When mrouter port receive multicast data that the switch will not sent out the report from mouter port. |
| 23 | ECS5520-18X-00305 | 28201486' | MLDSNP: The Proxy-reporting always reply immediately even the max-resp-time of query greater than 1 sec. |
| 24 | ECS5520-18X-00310 | 6b8bdaa1 | IGMPSNP: After change query interval to default setting, the group expire time did not change for IGMPv3. |
| 25 | ECS5520-18X-00311 | ECS5520-18X-00217 | Syslog: The fileCOPYtrap still send "succeeded" even copy running file failure |
| 26 | ECS5520-18X-00313 | 70e666c5 | IPv6: "ipv6 nd dad attempts 0 "is set automatically when I set interface vlan 4094. |
| 27 | ECS5520-18X-00317 | c0a824c3 | CLI: It shifts to global configuration mode after run show history command and press w key. |
| 28 | ECS5520-18X-00319 | be2b15cc | Web: Change Input Previous Entries of "Trunk>History" is shown nothing. |
| 29 | ECS5520-18X-00320 | 49657823' | ConfigFileMgmt: Watchdog reboot after set TFTP timeout to 650 seconds and no real server is existed. |
| 30 | ECS5520-18X-00322 | e4082beb | IPv6: No difference between show ipv6 interface brief vlan and with prefix. |
| 31 | ECS5520-18X-00326 | 9f86d266 | SNMP: The definition mismatches between MIB and physical packet. mactrap-notify |
| 32 | ECS5520-18X-00330 | 9740e045' | ACL: The permit address cannot be set in IPV6 ACL CLI but works in Web. |
| 33 | ECS5520-18X-00339 | 3e36a977 | IPv4 SourceGuard: DUT drop this EAPOL packets as set filter mode to MAC. |
| 34 | ECS5520-18X-00340 | 977b80c8 | Radius: The DUT will reboot when login failure and retrying. |
| 35 | ECS5520-18X-00341 | 128b3812 | UserAuth-Local: The user password change to nopassword when set the privilege level from SNMP agent. |
| 36 | ECS5520-18X-00343 | 3e36a977 | 802.1X: EAPOL packet cannot pass-through when user set the [ip source-uard mode mac] and [dot1x eapol-pass-through] |
| 37 | ECS5520-18X-00346 | aeaf953a | STP: DUT print "RX untagged BPDU" when enable debug STP BPDU and receiving tagged BPDU. |
| 38 | ECS5520-18X-00348 | 0664eabe | 1QVLAN-1790: after save running config and reload DUT,the vlan2's member port will join vlan 1 again |
| 39 | ECS5520-18X-00349 | 4046530a | Web: There is no web login page to check username/password, and login directly. |
| 40 | ECS5520-18X-00350 | 8db9c2bc | Web: Please remove "Lang" and "簡体中文" selection from WebUI because it's not supported. |
| 41 | ECS5520-18X-00351 | ECS5520-18X-00169 | Console&Telnet-0010: the calender range of year is form 2001 to 2099, but CLI displaied 1970-2037 |
| 42 | ECS5520-18X-00359 | 74b7c812 | RateLimit: 10G port shall not allow to be set input/output to 10000001-40000000 kps. |
| 43 | ECS5520-18X-00360 | b094bd14 | StormCtrl: Threshold <500-14881000> is for 10Gbps, it need to support 40Gbps. |
| 44 | ECS5520-18X-00368 | ECS5520-18X-00349 | Web: Web online user cannot be detected |
| 45 | ECS5520-18X-00370 | 8adc1021 | IGMPSNP: Query interval will reset to default value after DUT reboot. |
| 46 | ECS5520-18X-00371 | 29adde3a | LoopbackDetection: The ingress-filtering will enable automatically when disable loopback-detection of port and ingress rule . |
| 47 | ECS5520-18X-00376 | bc0edf59 | SW license: Port 1 shall display "License" while the craft port exists |
| 48 | ECS5520-18X-00378 | 7971f05c | VLAN membership setting fails but VLAN membership is still changed |
| 49 | ECS5520-18X-00379 | fb50fe4b | SW license: the port can still link-up while the license file is invalid |
| 50 | ECS5520-18X-00384 | 3c028a1 | web help: update by ECS5520-18X\_WH\_v1.0.5.192\_update |

**Runtime V1.0.8.193, Loader V0.0.0.4**

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| --- | --- | --- | --- |
| 1 | ECS5520-18X-00072 | e43dca05 | ARP Packets drop when enabling DAI log interval as 0 or 1 with logging trap enable |
| 2 | ECS5520-18X-00074 | d3434855, 4ad24b2f | CLI: The L2 MAC table is 32K on FeatureSpec, but the test result is 64k |
|  | ~~ECS5520-18X-00100~~ | ~~ECS5520-18X-00101~~ | ~~LACP-0140 PortTrunk-0790: DUT can NOT receive the multicast and broadcast traffic at line speed (Verify fail)~~ |
|  | ECS5520-18X-00101 |  | L2SW-0650:dut lost packets when two port send broadcast packets at the same time with load over 50% |
| 3 | ECS5520-18X-00143 | ECS5520-18X-00101 | MVR-0100: Can not receive all multicast packets at first time |
| 4 | ECS5520-18X-00149 | 4cf9a7b5 | DHCPv6-SNP: DUT cannot forward DHCPv6 Advertise packets to Client as it is configured as trust port. |
| 5 | ECS5520-18X-00161 | 818c8fe5 | HTTP&HTTPs: User cannot logout the web management by logout icon. |
| 6 | ~~ECS5520-18X-00173~~ | ~~665d2267, f947a1bd~~ | ~~ACL: DHCP packets can not be filtered when IP address of VLAN interface is static mode. (Resert it. Not fixed)~~ |
| 7 |  |  |  |
| 8 | ECS5520-18X-00219 | 71e2aac5 | ConfigFileMgmt: Target filename “(“, and “)” shall be accepted. |
| 9 | ECS5520-18X-00224 | Hardware modified resistance value. | DDM: DEV\_SWDRV\_TwsiDataWrite(): Line = 26993 , error\_id=1, arg = 80,0,1,127,0 (Model: ET601-SR4) |
| 10 | ECS5520-18X-00228 | 4045ea05 | MVR: Overlapped issue of the profile, source port, receiver port and MVR VLAN. |
| 11 | ECS5520-18X-00230 | ECS5520-18x-00113 | ACL: DUT reboots automatically when maximum ACE are set. |
| 12 | ECS5520-18X-00238 | af102135 | ACL: DUT reboots automatically when bind one IPv6 extended ACL that has maximum ACE to a port. |
| 13 | ECS5520-18X-00244 | eabf6f3f | ImageMgmt: Got sh: Syntax error: "(" unexpected when delete file usbdisk name () |
| 14 | ECS5520-18X-00277 | 91dbcad6 | Statistics: Packet loss on 40G interface, and receives fragment & CRC on port 17 |
| 15 | ECS5520-18X-00278 | 5e9f2909 | IPv4 Source Guard: DUT cannot re-learn IPv4 SG entry as port move to other Ports. |
| 16 | ECS5520-18X-00288 | eb9d8502 | WEB: Some DHCP Snooping description must be modified to DHCPv6 Snooping. |
| 17 | ECS5520-18X-00289 | 766b7e2d | WEB: Some ERPS domain description must be modified since it isn't supported. |
| 18 | ECS5520-18X-00321 | 62aea905 | IPv6: "neighbor solicitation messages" is not transmitted according to the setting of "ipv6 nd dad attempts". |
| 19 | ECS5520-18X-00327 | 1569ce6a | IPv6: Setting of ipv6 nd reachable-time 0 is not reflected definitely by running-config. |
| 20 |  |  |  |
| 21 | ECS5520-18X-00340 | 977b80c8, 741889d1 | Radius: The DUT will reboot when login failure and retrying. |
| 22 | ECS5520-18X-00345 | 82f08bcf | SNTP&NTP: The configure of host name of SNTP&NTP will disappear when save and reboot. |
| 23 | ECS5520-18X-00365 | 2fa562ba | System: After change spanning-tree topology, DUT cannot forward VLAN data normally . |
| 24 | ECS5520-18X-00366 | d50dad82 | Voice VLAN: This auto port still join to Voice VLAN after disable OUI or LLDP rule. |
| 25 | ECS5520-18X-00372 | 9dbbd0c5 | MLDSNP: Display of port channel mrouter is different from IGMPSNP. |
| 26 | ECS5520-18X-00373 | d08321bc | L2Switch: Pause frame shall not be sent when it's only one port transmit even flow control is enabled. |
| 27 | ~~ECS5520-18X-00377~~ | ~~7a8960b3~~ | ~~WebHelp: There are several description need to be modified. (Verify fail)~~ |
| 28 | ECS5520-18X-00383 | 47b1c8ee | ERPS: Add default route, PC cannot ping to DUT sometimes. |
| 29 | ECS5520-18X-00385 | ECS5520-18X-00277 | Statistics: Packet loss when it's run at 40Gbps (64~1280byes length) |
| 30 | ~~ECS5520-18X-00387~~ | ~~456ce511~~ | ~~Web: static trunk can not be shown correctly from Menu but can from Action select (Verify fail)~~ |
| 31 | ECS5520-18X-00389 | 0da07277 | ATC-0080: the rate limit is incorrect when ATC is enable |
| 32 | ECS5520-18X-00390 | 0da07277 | ATC-0080: the rate limit is incorrect when ATC is enable |
| 33 | ECS5520-18X-00391 | d0963cea | IPv6-AddrConfig-0010: the ipv6 address can not be input in CLI |
| 34 | ECS5520-18X-00395 | 28ae0f0c | CLI: show history command and press w key or other words, it won't go to a new line |
| 35 | ECS5520-18X-00396 | 0da07277 | StormCtrl-Bcast,StormCtrl-DLF,StormCtrl-Mcast:packet-rate not accurate,errorage over 20% |
| 36 | ECS5520-18X-00397 | 6163701c | [IPv6]:The global unicast address state is repeated in the command“show ipv6 interface” |
| 37 | ECS5520-18X-00401 | 0da07277 | StormCtrl: Port 18 cannot be set over 33000000 and warning message is inconsistent when set the rate over maximum speed |
| 38 | ECS5520-18X-00403 | eca639b3 | [ipv6 multicast-data-drop]:in trunk, no ipv6 multicast-data-drop dut will hang |
| 39 | ECS5520-18X-00405 | eb61c6f4 | DNS: (Web) Type of DNS cache when IPv6 could not be displayed properly. |
| 40 | ECS5520-18X-00406 | 810f11de | DNS: Got type A as "Host" and got TTL 60 as 120. |
| 41 | ECS5520-18X-00410 | 3befa001 | configure port-based mirror and vlan/mac/acl mirror at the same time, traffic can't go to the correct analyzer port |
| 42 | ~~ECS5520-18X-00412~~ | ~~43fb315d~~ | ~~WEB: The maximum DHCP-SNP binding number is incorrect in Help page.~~ |
| 43 | ECS5520-18X-00413 | 43fb315d | WEB: The maximum IP SG ACL/MAC binding number is incorrect in Help page. |
| 44 | ECS5520-18X-00416 | e5cd7ad2 | CIDR: Subnet mask 0.0.0.0 should not be set as craft IP even VLAN IP is not created |
| 45 | ECS5520-18X-00418 | c6aef590 | IP Source Guard: After change maximum binding, DUT cannot block invalid IP traffic. |
| 46 | ECS5520-18X-00422 | f59fccb6 | [SNMP] SNMP get "diffServPolicyMapElementClassMapIndex" OID will display does not currently exist. |

**Runtime V1.0.9.193, Loader V0.0.0.4**

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| --- | --- | --- | --- |
| 1 | ECS5520-18X-00113 |  | ACL:DUT restart repeatly after save config and reload dut with max aces |
| 2 | ECS5520-18X-00173 | fed604b8 | ACL: DHCP packets can not be filtered when IP address of VLAN interface is static mode. |
| 3 | ECS5520-18X-00218 | 6f4e882a | L2Switch: Media-type setting is wrong |
| 4 | ECS5520-18X-00225 | 8a72077d | DDM: Got "1 80 0 1 22 Return FALSE, retry\_count = 10" (Only once) |
| 5 | ECS5520-18X-00312 | 42993776 | ConfigFileMgmt: Please integrate file length among CLI/MIB/WebUI/Specification. |
| 6 | ECS5520-18X-00338 | a38c8ed3,6344c0a7, a38c8ed3 | ConfigFileMgmt: HTTP-download config will get old configuration |
| 7 | ECS5520-18X-00361 |  | IGMP-SNP: Multicast group will be auto cleared after inject maximum 4096 groups. |
| 8 | ECS5520-18X-00363 | a36e7157 | System: Reload partner switch, DUT print exception and rebooting itself. |
| 9 | ECS5520-18X-00377 | 105aeb8f | WebHelp: There are several description need to be modified. |
| 10 | ECS5520-18X-00387 | 2525fbc2 | Web: static trunk can not be shown correctly from Menu but can from Action select |
| 11 | ECS5520-18X-00393 | b0029d22 | DHCP-SNP: DUT cannot show specific bebug setting information for DHC-SNP. |
| 12 | ECS5520-18X-00399 | ECS5520-18X-00218 | Web: Media-type is wrong when the port is set hardware profile portmode and media-type to 1g/10g. |
| 13 | ECS5520-18X-00423 | 785cc07e | QinQ/MIB:trunk member shall not display in MIB |
| 14 | ECS5520-18X-00424 | 03820638 | QinQ:The priority of Recived packets are different when setting qos map dscp and priority default in reverse order |
| 15 | ECS5520-18X-00426 | 0bf7648b | System: Configure maximum DHCP Relay server and enabling spanning-tree, CLI print exception. |

**Runtime V1.1.0.194, Loader V0.0.0.4**

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| 1 | ECS5520-18X-00296 | 550171ef | MVR-0530: DUT can NOT forward the max mvr group |
| 2 | ECS5520-18X-00381 | 48169e7a | Breakout: Default definition is wrong (10G ports) and inconsistent between CLI and Web |
| 3 | ECS5520-18X-00382 | 65840480 | Hardware Profile:Led is wrong after set hardware profile portmode 1x40g on port 3 and 16 |
| 4 | ECS5520-18X-00435 | b59b7f84 | [WEB]: After apply arp acl, the web page become blank |
| 5 | ECS5520-18X-00102 | a2ae8a5c | [SNMP]SNMP-0040 0280:no warm start trap when snmp trap enabled. |
| 6 | ECS5520-18X-00388 | 9269a15f | [show int transceiver] Every transceiver cannot display the correct infomation. |
| 7 | ECS5520-18X-00191 | 94e922b2 | StaticRoute: Web has error button when add maximum static route entries |
| 8 | ECS5520-18X-00433 | ECS5520-18X-00191 | ACL\_Web: Display of next button in ACL Rule List is incorrect. |
| 9 | ECS5520-18X-00430 | 2063e41e | IPv6\_help:DAD attempts range is wrong in web help page. |
| 10 | ECS5520-18X-00436 | 850aaeab | WebHelp: Please modify "Upgrade" to "Upload" from "System > File > Copy > Copy Type" |
| 11 | ECS5520-18X-00431 | 2cbd4039 | IGMPSNP - Make a trunk port as router port, while release the trunk port will cause exception log |
| 12 | ECS5520-18X-00437 | ECS5520-18X-00431 | System: After shutdown and no shutdown LACP trunk; DUT print exception, and LACP trunk failed. |
| 13 | ECS5520-18X-00439 | ECS5520-18X-00431 | IGMPSNP: After DUT reload, the neighbor swith print exception message and auto reboot. |
| 14 | ECS5520-18X-00271 | 67c9c57a | Breakout: Port number is wrong, and port 20&24 is lit up yellow sometimes |
| 15 | ECS5520-18X-00400 | 034b30b2 | Web: No any message when set ports 1-5 to 40G and enable "admin" button from "Interface > Port > General" |
| 16 | ECS5520-18X-00148 | 61927797 | IPv6 Source Guard: DUT reject to change this maximum binding number as it less than existing entry number |
| 17 | ECS5520-18X-00440 | 5f4bf3a8 | OAM: the oam is in operational state, but the pdu format is incorrect. |
| 18 | ~~ECS5520-18X\_00194~~ | ~~a1cf630b~~ | ~~[Debug] DHCP Snooping: DUT lose some DHCP message in debug mode~~ |
| 19 | ECS5520-18X-00192 | fixed indirectly by  ECS5520-18x-00100 | IPv6-AddrConfig: DUT can't forward all all-node multicast packets when IPv6 is disabled. |
| 20 | ECS5520-18X-00421 | b09e5332 | "reload in" will not be executed if "reload at" is existed and the setting time is passed. |
| 21 | ECS5520-18X-00375 | 6c07a20d | System\_MLDSNP: DUT can not learn MLD group and forward multicat data. |
| 22 | ECS5520-18X-00434 | a0085a64 | DNS: The maximum number DNS cache entry can't reach to 6400. |
| 23 | ECS5520-18X-00442 | 09190192 | speed-duplex is inconsistent on the CLI and web |
| 24 | ECS5520-18x-00100 | d52846e9 | LACP-0140 PortTrunk-0790: DUT can NOT receive the multicast and broadcast traffic at line speed |
| 25 | ECS5520-18x-00275 | d52846e9 | RateLimit: Non rate-limit ouput port will be limited threshold after breakout port 17-28 to 19-26 |
| 26 | ECS5520-18X-00268 | fixed indirectly by  ECS5520-18x-00100 | L2Switch: Both transmit 10,000,000 broadcast frame from two ports, all frames should be received each other. |
| 27 | ECS5520-18x-00356 | d52846e9 | L2Switch: Packet will be lost when transmit traffic from 3 ports to 1 port. (All ports are enabled flow control) |
| 28 | ECS5520-18X-00357 | fixed indirectly by  ECS5520-18x-00100 | MSTP: The port-channel will swap that are between Designated and Alternate, the port rule not become to forward status |
| 29 | ECS5520-18X-00358 | ECS5520-18X-00441 | PortSecurity: The port cannot shutdown when inject the traffic of untag VLAN and tagged VLAN on the same port. |
| 30 | ECS5520-18X-00369 | fixed indirectly by  ECS5520-18x-00100 | SystemTest: The DUTs will topology change continue when inject the multicast data |
| 31 | ECS5520-18x-00374 | d52846e9 | L2Switch: When inject traffic from 40G to 10G, 10G port will packet loss when flow control is enabled. |
| 32 | ECS5520-18X-00105 | fixed indirectly by  ECS5520-18x-00100 | QINQ-0100:DUT lost packets when jumbo frame work with QINQ |
| 33 | ECS5520-18X-00107 | fixed indirectly by  ECS5520-18x-00100 | VLAN-ProtocolBased-0030-0080 : DUT can not receive all ARP frame in ethernet type |
| 34 | ECS5520-18x-00425 | d52846e9 | LACP-0140 PortTrunk-0790: DUT can NOT receive the multicast and broadcast traffic at line speed |
| 35 | ECS5520-18x-00438 | d52846e9 | RateLimit: Set "rate-limit output 64" will impact other port |
| 36 | ECS5520-18X-00336 | 3cbf07b3 | Auto-upgrade: Got "Memory is not enough" when set auto-upgrade and tftp timeout 900 seconds and reboot. |
| 37 | ECS5520-18X-00286 | ECS5520-18X-00336 | Dynamic Provision: Enable ZTP and auto-grade, it is faled to get TFTP configuration. |
| 38 | ECS5520-18X-00412 | 76c8c379 | WebHelp: The maximum DHCP-SNP binding number is incorrect in Help page |
| 39 | ECS5520-18X-00154 | 7139841e | OAM: There is no button to clear event log in WEB page |
| 40 | ECS5520-18X-00250 | aecca286 | Web: Configure system name to maximum length, the string is not displayed properly in dashboard |
| 41 | ECS5520-18X-00443 | bf438774 | IPv6-AddrConfig: nd prefix's range is wrong |
| 42 | ECS5520-18X-00444 | bf438774 | [DNS]: Execute nslookup with type NS or MX failed. |
| 43 | ECS5520-18X-00445 | bf438774 | DNS: Execute nslookup failed with extra link down interface |
| 44 | ECS5520-18X-00398 | 23d63f9c | Auto Upgrade:DUT failed to get new image as enable ZTP and auto-upgrade at same time. |
| 45 | ECS5520-18X-00441 | cebbb00e | Enable 'MAC address aging', the mac learned by port security will be dynamic, not limited by 1024 static mac; |

**Runtime V1.1.1.194, Loader V0.0.0.4**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | ECS5520-18X-00146 | 0e4f7694 | web help: cant jump to its help web page from one main web page |
| 2 | ECS5520-18X-00185 | b94edf94 | ReloadDelay: It's different between CLI and WebUI about Reload Delay. |
| 3 | ECS5520-18X\_00380 | 051e9f88 | LACP: After warm restart, DUT can't learn MAC address |
| 4 | ECS5520-18X-00309 | 4c78094e | ConfigFileMgmt:Startup1.cfg saved time is not recorded based on show clock |
| 5 | ECS5520-18X-00450 | 4d8ded85 | Debug: Disable one of debug telnet selections, there is no any |
| 6 | ECS5520-18X-00449 | a0444313 | [Radius and tacacs] authen: Radius and tacacs authentication timeout is too long |

**Runtime V1.1.2.194, Loader V0.0.0.4**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | ECS5520-18X-00451 | bcc316b0 | [DHCP]: Support DHCP op82 remote-id "port description" only (without any remote-id prefix). |
| 2 | ECS5520-18X-00299 | d03e3ad1 | MLDSNP: After turn on/off mrouter and MLDSNP will not delete the multicast entry. |
| 3 | ECS5520-18X-00454 | 22a2f673 | [NTP server] When the switch reboot and check configuration provision will occur "Fail to set NTP server xxxxx" |
| 4 | ECS5520-18X-00455 | cdfe871f | ERPS: Aftre show erps vlan-group; DUT halted and reboot itself. |

**Runtime V1.1.3.201, Loader V0.0.0.4**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | ECS5520-18X-00457 | 52440909 | [IPv6-MLD-SNP-0030]: the total entry is incorrect in CLI when send IPv6 MLDv1 done message |
| 2 | ~~ECS5520-18X-00451~~ | ~~b1dacdce~~ | ~~Support DHCP op82 remote-id "port description" only (without any remote-id prefix)\_v2~~ |
| 3 | NA | d2f73aaf | SDVoE auto configure IGMP snooping and jumbo frame enable. |
| 4 | [ECS5520EC-32](https://jira.edge-core.com:8443/browse/ECS5520EC-32) | 01ac7e4b | Transceiver checksum error when uses 40G QSFP+ breakout mode. |

**Runtime V1.1.70.202, Loader V0.0.0.4**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | ECS5520EC-100 | e1f5c6bd | ECS5520 update license for last version for phase1 |
| 2 | ECS5520EC-91 | e3c7ec55 | [DHCP Relay] The ECS5520 series will not add the VLAN tag to the DHCP relay packet |
| 3 | ECS5520-18X-00451 | e3c7ec55 | Support DHCP op82 remote-id "port description" only (without any remote-id prefix)\_v2 |

**modifications:**

**Loader V0.0.0.3**

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

**Runtime V0.1.0.0 (03.25.09.24)**

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

**Runtime V1.0.1.192**

|  |  |  |
| --- | --- | --- |
| 1 | ECS5520-18X-00097 | [enhance] use enhancement backdoor password |
| 2 | ECS5520-18X-00098 | [enhance] enable software license. |

**Runtime V1.0.4.192**

|  |  |  |
| --- | --- | --- |
| 1 | ECS5520-18X-00147 | enable reset button |
| 2 | ECS5520-18X-00204 | [Enhancement] initial IP address 192.168.2.10/24 on DHCP mode |
| 3 | ECS5520-18X-00205 | [Enhancement] Disable IGMP Snooping by default |
| 4 | ECS5520-18X-00206 | [Enhancement] Disable Spanning-tree loop-back detection by default after enable spanning-tree protocol |
| 5 | ECS5520-18X-00207 | [Enhancement] Disable Spanning-tree protocol by default |
| 6 | ECS5520-18X-00208 | [Enhancement] Disable Denial of Service by default |
| 7 | ECS5520-18X-00209 | [Enhancement] Enable non-stp loopback detection by default |
| 8 | ECS5520-18X-00210 | [Enhancement] Disable Broadcast storm control by default. |
| 9 | ECS5520-18X-00211 | [Enhancement] Enable "ingress filtering" by default. |
| 10 | ECS5520-18X-00227 | [enhance] remove the block action of STP loopback detection and non-stp loopback detection. |

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

**Known Bugs and Issues:**

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

1. ATC-0300: ATC mc not clear when the traffic load below the clear threshold and reach the release time
2. 1QVLAN: Failed to ping to DUT as change VLAN status to active from suspend.
3. DHCPv6 Relay: DUT show exception as change this muticast destination address to All from VLAN.

**Known RESTRICITIONS AND Limitations:**

|  |  |  |
| --- | --- | --- |
|  | Limitation Type | Description |
| 1 | Board limitation | Does not support Auto-nego on all port, due to this need dedicated/external cpu on board. (Drake or AC3 can support 802.3ap on their XG interfaces, but the criteria is using external CPU and interior processor core will run the firmware to handle AP.) |
| 2 | Chip limitation | Bridge FDB(L2), Multicast and Router IPv4/6 Host entries share the same 64K. |
| 3 | Chip limitation | FDB use hash algorithm to locate needed index for the pkt. It will happen collision in some case. |
| 4 | Chip limitation | Configuration of the length of the hash chain for address loopkups in FDB table to a value different than 0 can result in perfomance degradation. (Table 529: FDB Global Configuration Register. Bit 2:0) |
| 5 | 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. |
| 6 | Chip limitation | EEE (802.3az, Cable Length), it's PHY's functionality. Only support copper front port. |
| 7 | Chip limitation | Broadcast/Multicast/UnknownUnicast Storm Control use the same configuration of rate limit. |
| 8 | Software limitation | Web Authentication only support IPv4 HTTP |
| 9 | Software limitation | Due to Jquery software limitation. The web browser need IE 9+, Chrome 54+, Firefox 52+ or Opera 41+. |
| 10 | 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] |
| 11 | Chip limitation | The mirror function will mirror the voice vlan packet which before modified the priority. (Detail in ECS5520-18X-00138) |
| 12 | Chip limitation | Cannot config any value of CIR and CBS in chip. When configuring cir and cbs，you can identify the scope and unit of configuration for cir/cbs according to the cir exception configuration. Following table describes details for this, you can get more skillful cbs configuration by the actual tests. (ECS5520-18X-00119, ECS5520-18X-00120, ECS5520-18X-00177) |
| 13 | Software limitation | web-auth only support http and port 80. (ECS5520-18X-00175) |
| 14 | Hardware limitation | 10G DAC only support 0.2M/1M/3M/5M. 40G DAC only support 1M/3M. |
| 15 | Software limitation | The speed of syncing mac address table is not immediately. The full 64K entries need spend 5.5~6 minutes with appending 60~70% cpu utilization. |
| 16 | Chip limitation | Dynamic QoS Assignment only support configure one acl per port: Marvell support ACL resource are finite, so the upper software limit only support configure one acl per port or per function;when mac-authentication enable Dynamic Qos Assignment base Radius, so also only support configure one acl per port，multiple acls will authentication failure. (ECS5520-18X-00335) |
| 17 | Chip limitation | For Drake chip, it can not bind a policy-map with remark DCSP for yellow or red packet on egress port. (ECS5520-18X-00246) |
| 18 | Chip limitation | For the rate limit of CPU Guard, the implementation in chip is bps. The actual rate is pps\*MTUsize(Default is 1536. 10240 when Jumbo frame enable). (ECS5520-18X-00232) |

**Compliance support:**

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

Known Anomalies: None.

**IEEE Standards Support:**

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

**IETF Standards MIB Support:**

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

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

**ECS5520-18X Private Enterprise MIB Support:**

|  |  |
| --- | --- |
| **Title** | Version |
| ECS5520.mib | 201903080000Z |

**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: