WebSmart Switch ECS2000-10T/10P/10PE/28T/28P/28PP/10P-RAI

***Phase 1 Firmware Version 1.1.2.10***

**INTRODUCTION:**

The ECS2000-10T/10P/10PE is a Gigabit Ethernet Layer 2 switch featuring 8 ports 10/100/1000 ports, and 2 Gigabit Ethernet SFP (Small Form Factor Pluggable) uplink ports.

The ECS2000-28T/28P/28PP is a Gigabit Ethernet Layer 2 switch featuring 24 ports 10/100/1000 ports, and 4 Gigabit Ethernet SFP (Small Form Factor Pluggable) uplink ports.

The ECS2000-10T/10P/10PE/28T/28P/28PP is ideal for operator to deploy SMB network providing download/upload 10/100/1000Mbps high speed for triple play service.

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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** |
| EIT Test Version | 1.1.2.10 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2016/8/5 9:30AM) | 2016/8/5 |
| EIT Test Version | 1.1.2.9 | Based on 1.1.2.8 + update web panel (ECS2000-28PP-00575) (2016/8/2 5:00PM) | 2016/8/2 |
| EIT Test Version | 1.1.2.8 | Based on 1.1.2.7 + update sys\_adpt + help page + private mib file for 10P-RAI(ECS2000-28PP-00575) (2016/7/27 10:00AM) | 2016/7/27 |
| EIT Test Version | 1.1.2.7 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2016/7/26 9:30AM) | 2016/7/26 |
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| EIT Test Version | 1.1.2.5 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2016/6/13 1:30PM) | 2016/6/14 |
| EIT Test Version | 1.1.2.4 | Based on V1.1.2.3 + enhance ECS2000-28PP-00513 only. | 2016/3/30 |
| EIT Test Version | 1.1.2.3 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2016/3/25 3:00PM) | 2016/3/35 |
| EIT Test Version | 1.1.2.2 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2016/3/3 9:30AM) | 2016/3/3 |
| EIT Test Version | 1.1.2.1 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2016/1/22 9:30AM) | 2016/1/22 |
| NTC Test Version / MP version | 1.1.2.0 | The same as 1.1.1.37 and just change the version number. | 2016/1/5 |
| NTC Test Version | 1.1.1.37 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2016/1/4 9:30AM) | 2016/1/4 |
| NTC Test Version | 1.1.1.36 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2015/12/21 9:30AM) | 2015/12/21 |
| NTC Test Version | 1.1.1.34 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2015/12/17 9:30AM) | 2015/12/17 |
| NTC Test Version | 1.1.1.33 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2015/12/10 9:30AM) | 2015/12/10 |
| NTC Test Version | 1.1.1.32 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2015/12/04 9:30AM) | 2015/12/04 |
| NTC Test Version | 1.1.1.31 | Based on V1.1.1.30 + fix 00390, 00404, 00405 | 2015/11/30 |
| NTC Test Version | 1.1.1.30 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2015/11/27 9:30AM) | 2015/11/27 |
| NTC Test Version | 1.1.1.28 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2015/11/12 4:00PM) | 2015/11/12 |
| NTC Test Version | 1.1.1.27 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2015/11/6 9:30AM) | 2015/11/6 |
| NTC Test Version | 1.1.1.26 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2015/10/30 11:00PM) | 2015/10/30 |
| NTC Test Version | 1.1.1.25 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2015/10/21 4:00PM) | 2015/10/25 |
| NTC Test Version | 1.1.1.24 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2015/10/21 9:30AM) | 2015/10/21 |
| NTC Test Version | 1.1.1.23 | Based on V1.1.1.22 + ECS2000-28PP-00259 fix | 2015/10/20 |
| NTC Test Version | 1.1.1.22 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2015/10/16 17:00AM) | 2015/10/16 |
| NTC Test Version | 1.1.1.21 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2015/10/16 10:00AM) | 2015/10/16 |
| NTC Test Version | 1.1.1.20 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2015/10/13 10:00AM) | 2015/10/13 |
| NTC Test Version | 1.1.1.13 | Based on V1.1.1.12 + ECS2000-28PP-00254 fix | 2015/10/5 |
| NTC Test Version(PilotRun) | 1.1.1.12 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2015/9/30 10:00AM) | 2015/9/30 |
| NTC Test Version | 1.1.1.10 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2015/9/22 2:00PM) | 2015/9/22 |
| NTC Test Version | 1.1.1.9 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2015/9/15 9:30AM) | 2015/9/15 |
| NTC Test Version | 1.1.1.7 | CC: EC\_VOB main(2015/9/7 9:30AM) | 2015/9/7 |
| RD Test Version | 1.1.1.6 | CC: EC\_VOB main(2015/9/1 11:00AM) | 2015/9/1 |
| RD Test Version | 1.1.1.5 | CC: EC\_VOB main(2015/8/25 10:00AM) | 2015/8/25 |
| RD Test Version | 1.1.1.2 | CC: EC\_VOB main(2015/8/19 10:00AM) | 2015/8/19 |
| RD Test Version | 1.1.1.1 | CC: EC\_VOB main(2015/8/11 1:30PM) | 2015/8/11 |
| NTC Test Version | 1.1.1.0 | CC: EC\_VOB main(2015/7/27 9:30PM) | 2015/7/27 |

**LOADER:**

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| **Status** | **Version No.** | **Type** | **Release Date** |
| Testing Version | 0.1.1.7 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2016/7/26 9:30AM) | 2016/7/26 |
| Testing Version | 0.1.1.6 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2015/12/10 9:30AM) | 2015/12/10 |
| Testing Version | 0.1.1.5 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2015/12/04 9:30AM) | 2015/12/04 |
| Testing Version | 0.1.1.3 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS2100\_V1.1.1.7\_Ph1\_branch (2015/11/6 9:30AM) | 2015/11/6 |
| Testing Version | 0.1.0.0 | Init  CC: EC\_VOB main(2015/7/27 9:30PM) | 2015/7/27 |

**HARDware compatibility:**

ALL

**BootPROM compatibility:**

ALL

**Network Management Software Support:**

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

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

**SUPPORTED FUNCTIONALITY:**

Please see the ECS2000-28PP\_Phase1\_FeatureList\_20150701.xlsx

**Installation and Configuration Notes:**

In general, the ECS2000 **Switch** will be shipped to you pre-configured with this version of firmware. If you would like to upgrade an existing ECS2000 **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 V0.1.0.0**

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| 1 | Init | Init |

**Runtime V1.1.1.0**

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| 1 | None | None |

**modifications:**

**Loader V0.1.1.7**

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| 1 | ECS2000-28PP-00581 | [enhance][uboot] support new model ECS2100-10P-RAI |

**Loader V0.1.1.6**

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| 1 | ECS2000-28PP-00309 | PoE: (10P) DUT can't bootup success after connect 8 PDs.   * Disable PoE by default on uboot. |
| 2 | ECS2000-28PP-00448 | [loader] correct the display of dram size |

**Loader V0.1.1.5**

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| 1 | ECS2000-28PP-00317 | [uboot] remove the chip info message from uboot |

**Loader V0.1.1.4**

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| 1 | ECS2000-28PP-00403 | [u-boot] internal loopback not working on 10P device |

**Loader V0.1.1.3**

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| 1 | ECS2000-28PP-00317 | [uboot] remove the chip info message from uboot |

**Loader V0.1.1.2**

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| 1 | Correct the short-key to enter the u-boot backdoor. |

**Loader V0.1.1.1**

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| 1 | Support 10T/10PE/10P |

**Loader V0.1.0.0**

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| 1 | Init Version |

**Runtime V1.1.2.10, Loader 0.1.1.7**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00584 | acl490~520,IP-extended ACL setting follow hints is failed |
| 2 | ECS2000-28PP-00595 | TACACS+: The DUT will reboot automatically when user logins the DUT by TACACS account, but the TACACS key is mismatch. |
| 3 | ECS2000-28PP-00596 | igmpsnooping-0340 igmp snooping vlan 1 query enable ，higher ip send query,other query is not none. |
| 4 | ECS2000-28PP-00597 | ipv6mldsnp0070: DUT didnot handle MLD Query well based on the different query timer |

**Runtime V1.1.2.9, Loader 0.1.1.7**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00575 | [enhance] support new model ECS2100-10P-RAI   * Update web panel |

**Runtime V1.1.2.8, Loader 0.1.1.7**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00575 | [enhance] support new model ECS2100-10P-RAI   * Update sys\_adpt, web help page, private mib file |

**Runtime V1.1.2.7, Loader 0.1.1.7**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00479 | NTP: The incorrect description of help page |
| 2 | ECS2000-28PP-00492 | [Enhancement] HTTPS certificate should be able to return to default. |
| 3 | ECS2000-28PP-00517 | MLDSNP: IPv6 well-known multicast can not be flooded. |
| 4 | ECS2000-28PP-00520 | MLDSNP: Other Querier Address can not be changed when non-querier received other queries. |
| 5 | ECS2000-28PP-00522 | CableDiag(Web): Pop "Data is invalid" when run cable diagnostic on fiber port from WebUI. |
| 6 | ECS2000-28PP-00560 | PoE: The PoE power range in WEB is incorrect. |
| 7 | ECS2000-28PP-00567 | MLDSNP: When MLDSNP was disabled, Other Querier Address doesn't show None. |
| 8 | ECS2000-28PP-00568 | MLDSNP: Other Querier Expire is 0 when received the query with higher IP address. |
| 9 | ECS2000-28PP-00569 | MLDSNP: Other Querier Address doesn't show None when the DUT received a query with higher IP address. |
| 10 | ECS2000-28PP-00570 | MLDSNP: Self Querier Expire is not 0 when the DUT receives teh query with lower IP address. |
| 11 | ECS2000-28PP-00571 | MLDSNP: DUT can not send the query when enable querier and VLAN's IP is lower. |
| 12 | ECS2000-28PP-00572 | MLDSNP: DUT, which is not querier, sent query when ther querier expired. |
| 13 | ECS2000-28PP-00573 | MLDSNP: IPv6 well-known multicast can not be flooded. |
| 14 | ECS2000-28PP-00575 | [enhance] support new model ECS2100-10P-RAI |
| 15 | ECS2000-28PP-00576 | [enhance] set PoE power buget of ECS2100-10P-RAI to 101W |
|  | ECS2000-28PP-00582 | SSH: Watchdog reboots after SSH session timeout. |
|  | ECS2000-28PP-00583 | MLDSNP: Mrouter port forwarded multicaset data to normal port when normal port sent the same multicast data first. |
|  | ECS2000-28PP-00585 | failed to bind more service policy on port |

**Runtime V1.1.2.5, Loader 0.1.1.6**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00264 | StaticRoute:DUT can set invalid s as next hop. |
| 2 | ECS2000-28PP-00326 | syslog trap contain "SNMP" string |
| 3 | ECS2000-28PP-00375 | SNMP:the warmSrart traps cannot be received when SNMP trap is enabled |
| 4 | ECS2000-28PP-00476 | SNMP: Do not destory the community mapping group after remove notification host. |
| 5 | ECS2000-28PP-00500 | [enhance] support IPv6AddrTable. (.1.3.6.1.2.1.55.1.8) |
| 6 | ECS2000-28PP-00509 | IP SourceGuard: The display parameters and iterm don't arrange in binding table neatly. |
| 7 | ECS2000-28PP-00510 | SNMP: We got an error message while perform SNMP walk. |
| 8 | ECS2000-28PP-00515 | MLDSNP: Can not show VLAN and Multicast IPv6 Address when show group with VLAN number. |
| 9 | ECS2000-28PP-00518 | snmp :dut canot be connected snmp version 1 with community public,after delete a snmp host |
| 10 | ECS2000-28PP-00519 | DHCP: After we delete VLAN interface, DUT does not remove DHCP Client Vendor-class ID. |
| 11 | ECS2000-28PP-00521 | MLDSNP: Some show commands caused DUT to crash and reboot. |
| 12 | ECS2000-28PP-00523 | PoE: add new cmd to choose mode for per-port maximum allocation. |
| 13 | ECS2000-28PP-00526 | [Enhance] Exception log messages |
| 14 | ECS2000-28PP-00527 | DHCP-SNP: When we reset the max-binding setting, it isn't matched to default value. |
| 15 | ECS2000-28PP-00546 | [enhance] PoE: add new cmd to choose mode for per-port maximum allocation.(web part) |

**Runtime V1.1.2.4, Loader 0.1.1.6**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00513 | enlarge overload condition to 34W for PoE class 0 - 3 |

**Runtime V1.1.2.3, Loader 0.1.1.6**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00463 | MLDSNP: DUT doesn't send tagged query including general query and GS query. |
| 2 | ECS2000-28PP-00481 | extended problem of ECS2000-28PP-00300 |
| 3 | ECS2000-28PP-00490 | MAC-VLAN: The information in CLI is different with MIB and Web |
| 4 | ECS2000-28PP-00504 | [Telnet] After tool "LOIC" TCP:23port attack, the DUT would reboot |
| 5 | ECS2000-28PP-00508 | [Enhancement] remove PoE overload disable mechanism from poedrv |
| 6 | ECS2000-28PP-00511 | Memory rising/falling trap reference to "memoryFreeInPercent" |
| 7 | ECS2000-28PP-00512 | [SFP DDM] "TX/RX power: NA", "Not support DDM" at CLI "show interface transceiver" |
| 8 | ~~ECS2000-28PP-00513~~ | ~~enlarge overload condition to 34W for PoE class 0 - 3~~ |
| 9 | ECS2000-28PP-00514 | missing a mib object to enabe/disable dhcp dynamic provision status |

**Runtime V1.1.2.2, Loader 0.1.1.6**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00145 | IPv6-AddrConfig: VLAN1 cann't get IPv6 addres from DHCPv6 server when VLAN1 and other VLAN have static address. |
| 2 | ECS2000-28PP-00308 | DAI: After setting ARP inspection can't get the gateway mac address. |
| 3 | ECS2000-28PP-00344 | CoS/DSCP should not map PHB in ECS2100 project , because of chipset limit. |
| 4 | ECS2000-28PP-00345 | After setting ARP inspection can't get the gateway mac address. |
| 5 | ECS2000-28PP-00447 | Dashboard: Switch event will be overlapped when multiple level are existed. |
| 6 | ECS2000-28PP-00469 | WEB: DUT should support to set the Cable Diag through WEB Page. |
| 7 | ECS2000-28PP-00475 | HTTPs: The https certificate information is incorrect. |
| 8 | ECS2000-28PP-00480 | DHCP client can't obtian IP address. (extended problem of ES3528MV2-FLF-EC-00612) |
| 9 | ECS2000-28PP-00483 | Update the web help page (V1.1.2.0) |
| 10 | ECS2000-28PP-00485 | The model name of ECS2100-10PE is incorrect. |
| 11 | ECS2000-28PP-00487 | [Telnet] watchdog reboot while using TCP 23 port link to DUT but not follow telnet protocol |
| 12 | ECS2000-28PP-00488 | IGMPSNP MIB can not set any port as the static router port |
| 13 | ECS2000-28PP-00489 | DHCP-snooping: Inform ACK dropped from trust port when the DHCP Snooping Binding entry is not existed |
| 14 | ECS2000-28PP-00491 | IP Source Guard: The MAC entry cannot be configured to maximum VLAN 4094. |

**Runtime V1.1.2.1, Loader 0.1.1.6**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00320 | MAC-base VLAN can't work with DHCPSNP |
| 2 | ECS2000-28PP-00341 | command "ip igmp snooping priority"   * Not support this. |
| 3 | ECS2000-28PP-00397 | IGMP-SNP: The static group can't be saved properly. |
| 4 | ECS2000-28PP-00435 | malformed of show ip dhcp snooping |
| 5 | ECS2000-28PP-00437 | DBG [SYS\_CALLBACK\_MGR\_SendMsg(), 13563]: |
| 6 | ECS2000-28PP-00460 | PoE: PoE software version displayed incorrect value. |
| 7 | ECS2000-28PP-00461 | LLDP-MED: (28T)Non-PoE device still sent Power-via-MDI TLV out. |
| 8 | ~~ECS2000-28PP-00463~~ | ~~MLDSNP: DUT doesn't send tagged query including general query and GS query.~~ |
| 9 | ECS2000-28PP-00472 | switch crash because of tacacs authentication, but there is no tacacs setting   * Duplicate with ECS2000-28PP-00470 |
| 10 | ECS2000-28PP-00474 | PoE: Help message should be the correct range of current board, on CLI and WEB. |
| 11 | ECS2000-28PP-00477 | ECViewPro: Got error: ECS2100-Series.mib: "617417", "3389:0", and "6159.9" when compile |
| 12 | ECS2000-28PP-00478 | Modify dhcpsnp default per port limit from code to oem |
| 13 | ECS2000-28PP-00482 | remove 26T/52T in private mib file. |

**Runtime V1.1.1.37, Loader 0.1.1.6**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00300 | MAC-VLAN/MAC-Filter: Can't set MAC: mac-address 001122334455 mask ff0000000000 |
| 2 | ECS2000-28PP-00434 | no info about show bridge-ext |
| 3 | ECS2000-28PP-00464 | Help: Suggest to correct spell from "disable" to disabled". |
| 4 | ~~ECS2000-28PP-00465~~ | ~~DHCP-snooping : The log information "failed to add dhcpsnp binding" is incorrect~~ |
| 5 | ECS2000-28PP-00466 | [NMTR] Discard input increased upon booted |
| 6 | ECS2000-28PP-00467 | [enhance] DAI: The log information of DAI add which type of arp dropped. |
| 7 | ECS2000-28PP-00470 | [Tacacs] Configured "authentication login tacacs" will cause CLI session waiting a long time and watchdog reboot |
| 8 | ECS2000-28PP-00471 | [telnet] Multi-user login with telnet at the same time might cause DUT reboot |

**Runtime V1.1.1.36, Loader 0.1.1.6**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00321 | MAC-base VLAN can't work with IPSG   * It is chip limitation. But use this epr to move the mac/protocol/voice vlan rule to slice 11 |
| 2 | ECS2000-28PP-00431 | enhancement : show policy-map interface |
| 3 | ECS2000-28PP-00456 | [web] Security > IP Source Guard > General. ACL Table Max Binding Entry does not match CLI. |
| 4 | ECS2000-28PP-00458 | IPSG binding table does not get info from DHCPSNP binding table |

**Runtime V1.1.1.34, Loader 0.1.1.6**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00320 | MAC-base VLAN can't work with DHCPSNP   * Fix indirectly in ECS2000-28PP-00323 -> Fix in V1.1.1.28 |
| 2 | ~~ECS2000-28PP-00321~~ | ~~MAC-base VLAN can't work with IPSG~~  ~~Not fixed in V1.1.1.34~~ |
| 3 | ECS2000-28PP-00347 | remove SW limiation : DHCPSNP 200 binding entries per system   * This was not a problem since ECS2000-28PP-00444 changes the entries. |
| 4 | ECS2000-28PP-00371 | LACP : The LACP can NOT be build after the port is removed from port security  Fix indirectly in ECS2000-28PP-00323 -> Fix in V1.1.1.28 |
| 5 | ECS2000-28PP-00372 | LACP : The LACP can NOT be build successfully  Fix indirectly in ECS2000-28PP-00323 -> Fix in V1.1.1.28 |
| 6 | ECS2000-28PP-00376 | Help-page: Storm control shall be changed to be disabled by default |
| 7 | ECS2000-28PP-00419 | DHCP-SNP: The display parameters and iterm don't arrange neatly. |
| 8 | ECS2000-28PP-00426 | web-page - can't configure DHCPSNP max-number |
| 9 | ECS2000-28PP-00429 | PortTrunk: When link partner without trunk setting, CLI print debug message. |
| 10 | ECS2000-28PP-00431 | enhancement : show policy-map interface |
| 11 | ECS2000-28PP-00433 | 2 problems of debug telnet |
| 12 | ECS2000-28PP-00435 | malformed of show ip dhcp snooping |
| 13 | ECS2000-28PP-00436 | traceroute does not support domain name |
| 14 | ECS2000-28PP-00438 | mib problem : does not support upgrade bootRom and loader in runtime. |
| 15 | ECS2000-28PP-00439 | auto-upgrade : it shows complete but it's failed. |
| 16 | ECS2000-28PP-00444 | [enhance] modify the ip dhcp snooping and ip source guard binding entries. |
| 17 | ECS2000-28PP-00450 | DHCP-snooping : The log information of dhcp snooping is ambiguous |
| 18 | ECS2000-28PP-00451 | remove interface vlan 2, the CPU MAC for VLAN 2 is still exist |
| 19 | ECS2000-28PP-00452 | [WEB] Move DHCPSNP and DHCP Option82 pages from IP Service to Security. |
| 20 | ECS2000-28PP-00453 | DHCP Client can't obtain IP address |
| 21 | ECS2000-28PP-00454 | ECS3510-28T DHCPSNP Client can't renew ip address |

**Runtime V1.1.1.33, Loader 0.1.1.6**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00253 | 802.1X: The DUT will send more radius requests to radius server when the dot1x operation-mode is single-host. |
| 2 | ECS2000-28PP-00340 | all of arp packets trapped to cpu and leads high cpu utilization |
| 3 | ECS2000-28PP-00407 | AutoUpgrade: ftp and tftp path should not allowed input @ if there is no username and password before IP |
| 4 | ECS2000-28PP-00423 | Web: "LLDP Remote Device Port List" on Dashboard is always empty |
| 5 | ECS2000-28PP-00427 | Dynamic QoS - should not display egress-rate limit on running-config |
| 6 | ECS2000-28PP-00428 | IPv4 ACL & MAC ACL can't work together |
| 7 | ECS2000-28PP-00440 | [AMTR]When created a trunk but with connection with link partner without setting a trunk, a error message is occured. |
| 8 | ECS2000-28PP-00441 | switch does not clear IPSG binding table when appliying clear DHCPSNP table. |
| 9 | ECS2000-28PP-00446 | update the web help page (1.1.1.31) |

**Runtime V1.1.1.32, Loader 0.1.1.5**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00290 | ACL: Can not bind ACL to a port with counter and time-range on WebUI. |
| 2 | ECS2000-28PP-00332 | PoE: Dut output power more than max allocation on 28PP with external PSU. |
| 3 | ECS2000-28PP-00408 | [Enhancement] Modify dashboard page. |
| 4 | ECS2000-28PP-00409 | AutoUpgrade:dut Abnormal when delete opcode file after autoupgrade several times |
| 5 | ECS2000-28PP-00411 | ImageMgt: The DUT will crash when execute auto upgrade |
| 6 | ECS2000-28PP-00413 | [WEB] ARP Inspection should only show existed VLAN. |

**Runtime V1.1.1.31, Loader 0.1.1.4**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00390 | [Enhancement] Dashboard page for WEB. |
| 2 | ECS2000-28PP-00404 | The file name of auto upgrade should be ECS2100-series.bix |
| 3 | ECS2000-28PP-00405 | Telnet and ping support host name |

**Runtime V1.1.1.30, Loader 0.1.1.4**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00311 | VLAN 1 cannot be removed, it will appear again after save configure and reboot. |
| 2 | ECS2000-28PP-00312 | VLAN 1 cannot be removed, it will appear again after save configure and reboot. |
| 3 | ECS2000-28PP-00329 | error message is not consistent if there is no member on port-channel |
| 4 | ECS2000-28PP-00349 | Enhance : command "show ip igmp profile" |
| 5 | ECS2000-28PP-00367 | LLDP : DUT can NOT handle the lldp pdu with Interface name and chassis ID/port ID with 255 |
| 6 | ECS2000-28PP-00370 | first apr packet cannot be leart to arp table after shutdown-no shutdown port |
| 7 | ECS2000-28PP-00374 | IP Source Guard: DUT should reject to create IPSG entry over maximum binding limit. |
| 8 | ECS2000-28PP-00378 | ACL hardware counter malfunction if add new ACE |
| 9 | ECS2000-28PP-00379 | [Enhancement] DHCP Snooping option82 CID/RID |
| 10 | ECS2000-28PP-00381 | [Enhancement] Adjust order of some WEB pages. |
| 11 | ECS2000-28PP-00388 | StormCtrl: Only broadcast will be displayed on show running-config after enabled and then disable it again. |
| 12 | ECS2000-28PP-00389 | [Enhancement] Add "Save Current Settings" button on index page. |
| 13 | ECS2000-28PP-00390 | [Enhancement] Dashboard page for WEB. |
| 14 | ECS2000-28PP-00393 | ACL-TCAM: When TCAM rule over maximum entry, the entry still can be created. |
| 15 | ECS2000-28PP-00394 | 802.1X-VLAN: The original VLAN does not remove when the port has been assign dynamic vlan. |
| 16 | ECS2000-28PP-00395 | [Enhancement] Dynamic QOS assignment (include egress rate limit) |
| 17 | ECS2000-28PP-00398 | [enhance] support MAC Authentication |
| 18 | ECS2000-28PP-00399 | [enhance] support Firmware Auto upgrade |
| 19 | ECS2000-28PP-00400 | [enhance] support Dynamic Provision (Configuration Auto upgrade(DHCP Option 66/67)) |
| 20 | ECS2000-28PP-00401 | [enhance] support FTP for file configuration and runtime upgrade. |
| 21 | ECS2000-28PP-00402 | [enhance] support DNS Client without DNS proxy |

**Runtime V1.1.1.28, Loader 0.1.1.3**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00289 | IGMP-SNP: The default value of IGMP snooping in help page is incorrect. |
| 2 | ECS2000-28PP-00298 | PortSecurity: The DUT will dump the error message when disable/enable the port security. |
| 3 | ECS2000-28PP-00302 | Help-page: Storm control is 500-262142, and please modify SFP description |
| 4 | ECS2000-28PP-00307 | IP Source Guard: After we enable and disable IPSG with max-binding "1", PC cannot ping to another PC. |
| 5 | ECS2000-28PP-00316 | LBD: should prevent ingress filtering from been changed when LBD operation is working on the port |
| 6 | ECS2000-28PP-00319 | Configuration of ARP ACL is not save properly in running-config/startup-config |
| 7 | ECS2000-28PP-00322 | MAC-base VLAN can't work with DAI |
| 8 | ECS2000-28PP-00323 | MAC-base VLAN can't work with DAI |
| 9 | ECS2000-28PP-00327 | STP LBD(action Block) can’t other detect traffic loops which happened on other ports. |
| 10 | ECS2000-28PP-00328 | Non-STP LBD(action Block) can’t other detect traffic loops which happened on other ports. |
| 11 | ECS2000-28PP-00331 | Ingress-filtering should not be disabled if Non-STP LBD is enabed. |
| 12 | ECS2000-28PP-00334 | should remove telnet "host name" command IF DNS not support. |
| 13 | ECS2000-28PP-00335 | remove command "dir boot-rom:" |
| 14 | ECS2000-28PP-00342 | IGMPSNP does not work with MAC-Base VLAN |
| 15 | ECS2000-28PP-00343 | IPSG max-binding set to 1 will drop the packets exist in binding entry |
| 16 | ECS2000-28PP-00346 | IP standard/extended, MAC ACL applied to port can’t filter packet to CPU |
| 17 | ECS2000-28PP-00348 | Show queue mode and press "other" can't quit |
| 18 | ECS2000-28PP-00352 | IPv6 std & ext ACL info in TCAM is in correct |
| 19 | ECS2000-28PP-00353 | IPv6 std & ext ACL info is incorrect in TCAM table |
| 20 | ECS2000-28PP-00354 | IP ACL can't work with IPSG |
| 21 | ECS2000-28PP-00357 | (10-port) wrong port LEDs behavior. |
| 22 | ECS2000-28PP-00361 | update the web help page (1.1.1.25) |
| 23 | ECS2000-28PP-00373 | [enhance] remove the block action of STP loopback detection and non-stp loopback detection. |

**Runtime V1.1.1.27, Loader 0.1.1.3**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00183 | SNMP: SNMP Engine boot will not reset back to 1 after engine-id reset. |
| 2 | ECS2000-28PP-00208 | SNMP: DUT factory default reboot ,SNMP Engine boots will not be 1 |
| 3 | ECS2000-28PP-00258 | CoS: CLI can't stop display queue mode after press other key. |
| 4 | ECS2000-28PP-00278 | Statistics: UDLD does not been removed |
| 5 | ECS2000-28PP-00282 | Help\_Page: Default vlaue of IP Address Mode, IP Address, and Subnet Mask in help page is wrong. |
| 6 | ECS2000-28PP-00283 | Help\_Page: Default vlaue of all items of DoS Protection is wrong. |
| 7 | ECS2000-28PP-00285 | PortSec: The MAC-address of security can not move between the port security of ports when the network-access aging is enabled |
| 8 | ECS2000-28PP-00286 | DHCP-SNP: When the DHCP-Client move to another port, DUT create wrong binding enrty. |
| 9 | ECS2000-28PP-00287 | Help Page: The default spanning-tree enabling status is wrong. |
| 10 | ECS2000-28PP-00288 | Diffserv: (Web) Please modify description of meter from WEB help. |
| 11 | ~~ECS2000-28PP-00289~~ | ~~IGMP-SNP: The default value of IGMP snooping in help page is incorrect.~~  ~~(not fix in this version)~~ |
| 12 | ECS2000-28PP-00291 | Spanning-tree: When we set the release mode to manual, the loop-detection action cannot work. |
| 13 | ECS2000-28PP-00292 | Help\_Page: Please remove descripton of ACL Mirror on ACL help page. |
| 14 | ECS2000-28PP-00293 | IP Source Guard: When we enable DHCP-SNP and IPSG with MAC mode; DUT should not discard all DHCP-Request packets. |
| 15 | ECS2000-28PP-00294 | DHCP-SNP: DUT should limit the DHCP Snooping maximum binding number; and it should drop unnecessary DHCP-Request packets. |
| 16 | ECS2000-28PP-00296 | SwitchMgmt: EPLD show 0.00, and "Main Power Status" shows "Not present". |
| 17 | ECS2000-28PP-00297 | Help\_Page: It has been modified about web help description because default IP is 192.168.2.10. |
| 18 | ECS2000-28PP-00298 | PortSecurity: The DUT will dump the error message when disable/enable the port security. |
| 19 | ECS2000-28PP-00302 | Help-page: Storm control is 500-262142, and please modify SFP description |
| 20 | ECS2000-28PP-00303 | IGMP-SNP: After diable/enable igmp-snp, multicast traffic can't be forwarded properly. |
| 21 | ECS2000-28PP-00304 | ACL-TCAM: We can create entry over TCAM rules. |
| 22 | ECS2000-28PP-00305 | IGMP-SNP: Change maximum IGMP-SNP group to 511. |
| 23 | ECS2000-28PP-00306 | LoopbackDetection: No help page of LBD information |
| 24 | ECS2000-28PP-00310 | Loopback Detection: A problem of default value that is about LBD and ingress rule. |
| 25 | ECS2000-28PP-00314 | HW change: GPIO RST\_CONFIG reversed to be low-active at 10T model. |
| 26 | ECS2000-28PP-00324 | remove unsupport command "Clear elm, mar, mv6, pope" |
| 27 | ECS2000-28PP-00325 | remove unsupported debug commands "debug mvr6 , show debug mvr6" |
| 28 | ECS2000-28PP-00329 | error message is not consistent if there is no member on port-channel |
| 29 | ECS2000-28PP-00337 | igmp max-group is 511, not 512 |
| 30 | ECS2000-28PP-00350 | memory rising trap appears every switch rebooting |
| 31 | ECS2000-28PP-00361 | update the web help page (1.1.1.25) |
| 32 | ECS2000-28PP-00362 | [enhance] change the default of Broadcast storm control to Disable |
| 33 | ECS2000-28PP-00363 | 802.1x: The Radius host will disappear when sets the key value of radius host is maximum number after save/reboot the DUT. |

**Runtime V1.1.1.26, Loader 0.1.1.2**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00267 | ACL: Untagged/tagged 802.3 filter is useless. |
| 2 | ECS2000-28PP-00281 | [AMTR] Static MAC address can't add when learned 8k dynamic MAC address |
| 3 | ECS2000-28PP-00284 | RSPAN: First session source port setting will be copied to other sessions when show running/startup |
| 4 | ECS2000-28PP-00299 | ACL:tagged packets cannot be denied by ACL |
| 5 | ECS2000-28PP-00301 | CLI: Unexpected message is showed after the DUT rebooted (only 10P). |
| 6 | ECS2000-28PP-00313 | [Enhancement]Remove cable diag time-out error message. |

**Runtime V1.1.1.25, Loader 0.1.1.2**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00279 | [SNMP] while delete trap host by CLI, then it will fail to add trap host table by MIB |

**Runtime V1.1.1.24, Loader 0.1.1.2**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00120 | Trap: This trap host cannot be configured successfully. |

**Runtime V1.1.1.23, Loader 0.1.1.2**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00259 | SYSLOG: Please fix/remove error log when DUT bootup. |

**Runtime V1.1.1.22, Loader 0.1.1.2**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00269 | [enhance] remove EFM OAM, UDLD |

**Runtime V1.1.1.21, Loader 0.1.1.2**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00172 | CPU-Storm-Protection: Can not access DUT when input unicast packets which DA is DUT's MAC to DUT and CPU guard is enabled. |
| 2 | ECS2000-28PP-00203 | RADIUS-Acct: The Accounting name will keep count that doesn't refresh when the port has changed the accounting name. |
| 3 | ECS2000-28PP-00205 | Radius: The traffic will forward when authenticator state is connecting. |
| 4 | ECS2000-28PP-00226 | Web: Please integrate UI(3 sessions allowed) and help(1 session allowed) |
| 5 | ECS2000-28PP-00229 | IPv6: IPv6 ND packets can be trapped to CPU when all IPv6 function is disabled. |
| 6 | ECS2000-28PP-00256 | PoE: (28PP) DUT can't output power when PD request over maximum allocation power. |
| 7 | ECS2000-28PP-00260 | Unsupported commands on CLI and WebUI shall be removed. |
| 8 | ECS2000-28PP-00261 | System: This Average CPU Utilization is 60% in default setting. |
| 9 | ECS2000-28PP-00262 | IP Source-guard: DUT should not create acl/mac dynamic entry over maximum binding. |
| 10 | ECS2000-28PP-00265 | [enhance] support Non-STP loopback Detection |
| 11 | ECS2000-28PP-00268 | MSTP : DUT can NOT save the MSTP config after reload |
| 12 | ECS2000-28PP-00269 | [enhance] remove EFM OAM, UDLD |
| 13 | ECS2000-28PP-00270 | ImageMgmt: The auto upgrade information has display on help page, the product doesn't support. |
| 14 | ECS2000-28PP-00271 | ACL: IPv6 pacekts would be dropped by IPv4 ACL. |
| 15 | ECS2000-28PP-00272 | PortSecurity: The port will shut down when the learning mac-address has no exceed the max-mac-count of port security. |
| 16 | ECS2000-28PP-00273 | IP Source-guard: DUT should not create acl/mac dynamic entry over maximum binding.(Sync to phase1 branch) |

**Runtime V1.1.1.20, Loader 0.1.1.2**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00092 | WEB: time range shoud be under Administration |
| 2 | ECS2000-28PP-00121 | IPv6-TraceRoute: Source IP address on traceroute execution page is wrong. |
| 3 | ECS2000-28PP-00185 | LLDP: Create LLDP CA-Type with maximum length of CA-Value, it will dispaly garbage character on WEB. |
| 4 | ECS2000-28PP-00220 | Help\_Page: Host Name in Ping help page shall be reomved. |
| 5 | ECS2000-28PP-00224 | Diffserv: We can't add police rate-limit via WEB. |
| 6 | ECS2000-28PP-00250 | [AMTR] SDK print Error Code: 0x60009 when disable port security and left security MAC in system. |
| 7 | ECS2000-28PP-00251 | EEE: Suggest to remove power-save setting/description from SFP ports |
| 8 | ECS2000-28PP-00252 | [WEB] Administration > PoE > PSE, Configure Global page shows undefined. |
| 9 | ECS2000-28PP-00255 | Ping: Data size in packets is what we configured when it is configured less than 32 bytes or great than 512 bytes. |
| 10 | ECS2000-28PP-00257 | PortSecurity: The DUT will crash and reboot automatically when enable port security and show the mac-table or running-config. |
| 11 | ECS2000-28PP-00260 | Unsupported commands on CLI and WebUI shall be removed.  (remove loader password, QinQ, VLAN Trunking, EFM OAM, UDLD) |
| 12 | ECS2000-28PP-00263 | Wrong Main Power Status at "show version" command |
| 13 | ECS2000-28PP-00266 | [enhance] change default setting(default static ip, igmpsnp, stp, dos...) due to EC's request. |
| 14 | ES4528BH2-HPoE-0815-EC-00020 | L2\_L4 process might crash while PSEC status changed between enable/disable with continue packets inject. |

**Runtime V1.1.1.13, Loader 0.1.1.2**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00254 | WatchDog: 10port models are always reset affter runtime runs. |

**Runtime V1.1.1.12, Loader 0.1.1.2**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00122 | IPv6-TraceRoute: Description of max-failures on CLI has wrong word. |
| 2 | ECS2000-28PP-00192 | TimeRange: The time range bound to the interface can not be showed when it's name has mixed characters and numbers. |
| 3 | ECS2000-28PP-00200 | IP Source Guard: DUT cannot create dynamic IPSG binding entry under MAC mode. |
| 4 | ECS2000-28PP-00201 | NTP: The DUT doesn't send the request packets of ntp. |
| 5 | ECS2000-28PP-00204 | Protocol-VLAN: The VLAN priority doesn't chang after change priority setting. |
| 6 | ECS2000-28PP-00207 | Voice VLAN: After we enable and disabling security, DUT should not drop non-OUI voice VLAN traffic. |
| 7 | ECS2000-28PP-00213 | Port Security: The DUT will crash and reboot automatically when 802.1x and port security function have work as the same time. |
| 8 | ECS2000-28PP-00234 | TrafficSeg: After enable DAI/DHCP snooping with traffic-segmentation, CLI print error message. |
| 9 | ECS2000-28PP-00237 | 1QVLAN: DUT cannot clear VLAN 4094 MAC address. |
| 10 | ECS2000-28PP-00240 | Statistic: The RMON packets count should not be increased on link-down status; and it cannot be cleared. |
| 11 | ECS2000-28PP-00242 | L2Switch:Flowcontrol function can’t be saved |
| 12 | ECS2000-28PP-00243 | IP Source Guard: DUT cannot create dynamic IPSG binding entry under MAC mode. (Sync to branch) |
| 13 | ECS2000-28PP-00244 | NTP: The DUT doesn't send the request packets of ntp. (Sync to Branch) |
| 14 | ECS2000-28PP-00245 | 1QVLAN:ingress filter will not work correctly after save config and reboot |
| 15 | ECS2000-28PP-00246 | System: DUT lose to send out control packets and rebooting itself in system environment. |
| 16 | ECS2000-28PP-00247 | GPIO: Error message after port security enabled |

**Runtime V1.1.1.10, Loader 0.1.1.2**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00141 | IPv6-AddrConfig: DUT only sends 1 NS packet when DAD attempts is factory default value. |
| 2 | ECS2000-28PP-00151 | DAI: DUT console lock and auto reboot in havy loading. |
| 3 | ECS2000-28PP-00154 | DAI: We can't enable arp inspection validate IP without allow zeros by SNMP. |
| 4 | ECS2000-28PP-00156 | MLDSNP: FCS in MLD GSS query sent from DUT is wrong. |
| 5 | ECS2000-28PP-00166 | IGMP-Filter: After create IGMP profile via SNMP, the range table become mismatch. |
| 6 | ECS2000-28PP-00175 | IPv4-RemotePing: DUT accepts echo reply which source IP address is different from destinaton IP address of echo request. |
| 7 | ECS2000-28PP-00180 | RSTP: After we enable RSTP with LACP, DUT return error and all data flooding. |
| 8 | ECS2000-28PP-00194 | SNMP: CLI print debug message after perform SNMP walk several minutes. |
| 9 | ECS2000-28PP-00195 | L2SW:when configure port flow control ,it will cause print error message to console |
| 10 | ECS2000-28PP-00209 | Help\_Page: Hele page of MAC-Based VLAN is blank. |
| 11 | ECS2000-28PP-00210 | Help\_Page: Please remove RA Guard Mode description. |
| 12 | ECS2000-28PP-00212 | Help\_Page: TCAM description doesn't match current design. |
| 13 | ECS2000-28PP-00216 | Help\_Page: Please remove Echo/Chargen Attack and WinNuke Attack description. |
| 14 | ECS2000-28PP-00218 | IP Source Guard: After PC can new IP address, DUT does not update dynamic IPSG entry. |
| 15 | ECS2000-28PP-00219 | Help\_Page: Help page of IP is blank. |
| 16 | ECS2000-28PP-00220 | Help\_Page: Host Name in Ping help page shall be reomved. |
| 17 | ECS2000-28PP-00221 | PoE: We can't save PoE Maximum Allocation Power value. |
| 18 | ECS2000-28PP-00222 | Rate-Limit: Enable ingress rate-limit on trunk, both ingress and egress are take effect. |
| 19 | ECS2000-28PP-00223 | PortTrunk: CLI print error message after disable auto-negotiation and enable flow control. |
| 20 | ECS2000-28PP-00225 | System: After we get snmp-walk to DUT, it return error. |
| 21 | ECS2000-28PP-00226 | Web: Please integrate UI(3 sessions allowed) and help(1 session allowed) |
| 22 | ECS2000-28PP-00227 | ACL: Can't add any ACE of IP ACL. |
| 23 | ECS2000-28PP-00228 | LLDP: Some typo need to be correct in help page. |
| 24 | ECS2000-28PP-00230 | System: After we save running configuration and rebooting, some data always is flooded. |
| 25 | ECS2000-28PP-00231 | Mirror-PortBased:configure port mirror will fail and does not work |
| 26 | ECS2000-28PP-00232 | [1G fiber port]Let 1G fiber support AutoNeg. |
| 27 | ECS2000-28PP-00233 | Update the web help page to correct some eprs' issue. |
| 28 | ECS2000-28PP-00235 | MVR receiver port will receive 2 query |
| 29 | ECS2000-28PP-00236 | WatchDog: apply different way to kick watch dog, CPU's or RTL3189's GPIO. |
| 30 | ECS2000-28PP-00243 | IP Source Guard: DUT cannot create dynamic IPSG binding entry under MAC mode. (Sync to branch) |
| 31 | ECS2000-28PP-00244 | NTP: The DUT doesn't send the request packets of ntp. (Sync to Branch) |

**Runtime V1.1.1.9, Loader 0.1.1.1**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00096 | Ping: Ping packet size on WebUI can be set out of range. |
| 2 | ECS2000-28PP-00097 | ImageMgmt: Remove the autoUpgrade page of web. |
| 3 | ECS2000-28PP-00169 | TrafficSeg: Sent IGMP join message to downlink port, CLI print error message. |
| 4 | ECS2000-28PP-00176 | LLDP: The value of auto-negotiation capability shows all zero. |
| 5 | ECS2000-28PP-00177 | LLDP: The remote information not aligned after receive maximum length of system name TLV. |
| 6 | ECS2000-28PP-00191 | Remove booting debug/error message on console on 10 port device |
| 7 | ECS2000-28PP-00196 | [MAU MIB]MAU MIB geteway error message is shown |
| 8 | ECS2000-28PP-00206 | [L2Switch] [ECS2000-10T] Porting |
| 9 | ~~ECS2000-28PP-00211~~ | ~~1QVLAN: After we save VLAN tag setting on SFP port and rebooting; this egress packets should be unatgged.~~ |

**Runtime V1.1.1.7, Loader 0.1.0.0**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00076 | Static address cannot set to an inactive trunk |
| 2 | ECS2000-28PP-00098 | Ping6: The DUT doesn't have any response on WebUI when target IP address is multicast address. |
| 3 | ECS2000-28PP-00153 | Syslog: There is no remote warm/cold start log when we create maximum logging host. |
| 4 | ECS2000-28PP-00155 | MLDSNP: Disabled Immediate Leave is useless. |
| 5 | ECS2000-28PP-00164 | DHCP-Relay: This option82 drop mode cannot work. |
| 6 | ECS2000-28PP-00170 | AMTR: DUT cannot save maximum static address, and it return error. |
| 7 | ECS2000-28PP-00171 | IGMP-SNP: Configure IGMP priority, CLI print error message. |
| 8 | ECS2000-28PP-00179 | RSTP: After we enabled and disable loop-detection, DUT is halted and rebooting itself. |
| 9 | ECS2000-28PP-00181 | IGMP-SNP: When immediate leave enable, the IGMPv3 group can't leave after recieve leave message. |
| 10 | ECS2000-28PP-00190 | [new model]10 port board, porting peripherals. |
| 11 | ECS2000-28PP-00193 | [WEB] Modify login page |

**Runtime V1.1.1.6, Loader 0.1.0.0**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00077 | SNMP: CLI print debug message after perform SNMP walk. |
| 2 | ECS2000-28PP-00094 | SNTP: The effect of summer time is incorrect for australia and new zealand region. |
| 3 | ECS2000-28PP-00104 | IGMP-SNP: Create mrouter port by port range, only first port become mrouter port. |
| 4 | ECS2000-28PP-00109 | MLDSNP: Multicast dataMLDSNP: Multicast data can't be forwarded to another static mrouter when change unknown-multicast mode. |
| 5 | ECS2000-28PP-00115 | Port security: Error Code: 0x13 DEV\_SWDRV\_GetPortLinkStatus(): Line = 9099 , error\_id=19 |
| 6 | ECS2000-28PP-00118 | IGMP-SNP: The maximum group value over feature list. |
| 7 | ECS2000-28PP-00123 | IGMP-SNP: There is unnessary IGMP authencation command. |
| 8 | ECS2000-28PP-00126 | L2SW: After we link to SFP port, DUT cannot learn any MAC address. |
| 9 | ECS2000-28PP-00128 | SNMPTrap: Enterprise value in standard SNMP trap is wrong. |
| 10 | ECS2000-28PP-00129 | 802.1x: The ping will time out that is between DUT and PC when the dot1x state is the Authenticated. |
| 11 | ECS2000-28PP-00131 | LACP: LACP display page can't exit by press other key (other than [Space], [Enter] or [A]). |
| 12 | ECS2000-28PP-00134 | Remove SYS\_CPNT\_DHCPSNP\_SYSTEM\_RATELIMIT |
| 13 | ECS2000-28PP-00136 | Statistic: After we connect packet generator and SFP ports, the statistic/RMON count cannot work. |
| 14 | ECS2000-28PP-00140 | IPv6-AddrConfig: IPv6 address got from RA shows "INVALID" |
| 15 | ECS2000-28PP-00142 | [ECS4510-28F] revise design when SFP port type change |
| 16 | ECS2000-28PP-00146 | 1QVLAN: After we set acceptable-frame type to tagged, DUT drop all untag/tag packets. |
| 17 | ECS2000-28PP-00147 | 1QVLAN: After we set acceptable-frame type to tagged, DUT lose control packets. |
| 18 | ECS2000-28PP-00148 | 1QVLAN: After we change VLAN status from suspend to active; DUT return error and drop all packets. |
| 19 | ECS2000-28PP-00150 | Port-Trunk: Connect trunk member with forced 100 full port, CLI print error message. |
| 20 | ECS2000-28PP-00158 | MSTP: The DUT will continuing print the error message when topology change overnight. |
| 21 | ECS2000-28PP-00159 | MSTP: The DUT will continuing print the error message when topology change overnight. |
| 22 | ECS2000-28PP-00161 | DHCP-Relay: After we enable DHCP-Relay-option82, DUT cannot forward DHCP-Reply to client. |
| 23 | ECS2000-28PP-00163 | DoS-Protection: UDP Flooding Attack is useless. |
| 24 | ECS2000-28PP-00165 | RSPAN: Failed to set port monitor when RSPAN is existed. |
| 25 | ECS2000-28PP-00167 | ACL: Behavior of TCP control-flag is wrong. |
| 26 | ECS2000-28PP-00168 | IGMP-Filter: The maximum group range is incorrect. |
| 27 | ECS2000-28PP-00174 | AMTR: The collision-mac-address-table always is empty. |
| 28 | ECS2000-28PP-00182 | [POE] Spec changed. Every poe porst supports 802.3at, all the time. |
| 29 | ECS2000-28PP-00187 | [enhance] change the model name from ECS2000 to ECS2100 |
| 30 | ECS2000-28PP-00188 | Diffserv: Can't set police rate-limit via SNMP. |
| 31 | ECS2000-28PP-00189 | SFP eeprom is failed to read, on some tranceivers. |

**Runtime V1.1.1.5, Loader 0.1.0.0**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00029 | [EEE]Lack of Power Saving web page |
| 2 | ECS2000-28PP-00071 | LLDP : The Operational MAU Type is Unknown (0x0000) |
| 3 | ECS2000-28PP-00078 | [Enhancement] CPU utilization is approach 30% in the default environment |
| 4 | ECS2000-28PP-00088 | CoS: The packet receiving ratio doesn't follow DSCP mutation table. |
| 5 | ECS2000-28PP-00090 | CoS: CLI can't stop display queue mode after press other key. |
| 6 | ECS2000-28PP-00093 | It will make mac-address dynamic learned on trunk 1 be cleared when trunk 1 still have active trunk member. |
| 7 | ECS2000-28PP-00099 | WEB: need remove dynamic VLAN web page from this product. |
| 8 | ECS2000-28PP-00105 | Trunk : DUT would pop error message continously when connect to 10Mhalf hub |
| 9 | ECS2000-28PP-00107 | CLI : DUT would show some debug message after reload |
| 10 | ECS2000-28PP-00108 | MLDSNP: Unexpected message is showed when enable MLD Snooping. |
| 11 | ECS2000-28PP-00110 | Provision: Reload this DUT, it return some error. |
| 12 | ECS2000-28PP-00114 | Configuration: After we save maximum VLAN and ACL setting, DUT lose startup configuration. |
| 13 | ECS2000-28PP-00117 | WEB: The feature list dosen't support the cos-phb, but dut can show the feature on WEB |
| 14 | ECS2000-28PP-00124 | IPv6-TraceRoute: Can't traceroute link-local address on WebUI. |
| 15 | ECS2000-28PP-00125 | Provision: Reload this DUT, it return some error. |
| 16 | ECS2000-28PP-00127 | SNMP: DUT factory default reboot ,SNMP Engine boots will not be 1 |
| 17 | ECS2000-28PP-00130 | SNMP:DUT factory default reboot,SNMP Engine boots will not be 1 |
| 18 | ECS2000-28PP-00132 | CLI: Please remove ACL/MAC/VLAN mirror command. |
| 19 | ECS2000-28PP-00133 | [MAU MIB]Gateway implementation |
| 20 | ECS2000-28PP-00137 | 802.1x: The supplicant information will disappear when enable reauthentication. |
| 21 | ECS2000-28PP-00138 | CPU queue scheduling and weight |
| 22 | ECS2000-28PP-00143 | Cable-Diag does not work on salve units |
| 23 | ECS2000-28PP-00149 | DHCPServer: The host IP shall be display on "Active Pool". |
| 24 | ECS2000-28PP-00152 | Cable Diagnostic: DUT should remove this loopback test command since it isn't supported. |

**Runtime V1.1.1.2, Loader 0.1.0.0**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00084 | DHCP-Snooping: After we remove port member from trunk, DUT show invalid interface ID. |
| 2 | ECS2000-28PP-00085 | CoS: Drop precedence could be configured on WEB. |
| 3 | ECS2000-28PP-00086 | Diffserv: We can configure meter on WEB. |
| 4 | ECS2000-28PP-00087 | CLI command prompt should show 4094. |
| 5 | ECS2000-28PP-00091 | WEB: need support forbidden type on VLAN page. |
| 6 | ECS2000-28PP-00095 | 1QVLAN: After we remove native VLAN and saving configuration, it will appear this VLAN again. |
| 7 | ECS2000-28PP-00102 | Web: Model name in front panel on WebUI is wrong and Site Map is 4040 Not Found. |
| 8 | ECS2000-28PP-00106 | Remove MAC Authentication |
| 9 | ~~ECS2000-28PP-00108~~ | ~~MLDSNP: Unexpected message is showed when enable MLD Snooping.~~  ~~(Not fix yet)~~ |
| 10 | ECS2000-28PP-00111 | IPv4-AddrConfig: DHCP Client Vendor Class ID is wrong. |
| 11 | ECS2000-28PP-00112 | IP Source Guard: After we enable IPSG, client cannot get IP. |
| 12 | ECS2000-28PP-00135 | Update the web help page. (1.1.1.0) |

**Runtime V1.1.1.1, Loader 0.1.0.0**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00007 | [Rule] Porting |
| 2 | ECS2000-28PP-00017 | Bring up peripherals |
| 3 | ECS2000-28PP-00029 | [EEE]Lack of Power Saving web page |
| 4 | ECS2000-28PP-00037 | validate POE function |
| 5 | ECS2000-28PP-00040 | Voice vlan: DUT not change voice vlan packets' vlan priority which match voice vlan oui |
| 6 | ECS2000-28PP-00047 | [CoS] Porting |
| 7 | ECS2000-28PP-00068 | Syslog: to support save logfile in TLV format. |
| 8 | ECS2000-28PP-00070 | [EEE] Revised EEE code by charlie's review |
| 9 | ECS2000-28PP-00071 | LLDP : The Operational MAU Type is Unknown (0x0000) |
| 10 | ECS2000-28PP-00072 | Delete unnecessary files from CC |
| 11 | ECS2000-28PP-00073 | remove mvr6 function |
| 12 | ECS2000-28PP-00074 | SNMP: SNMP Engine boot will not reset back to 1 after engine-id changed. |
| 13 | ECS2000-28PP-00075 | Diffserv: We can't save class-map configuration. |
| 14 | ECS2000-28PP-00079 | [Internal Loopback]Remove this feautre from phase 1. |
| 15 | ECS2000-28PP-00082 | ACL: CLI has IP/IPv6 command on MAC ACL. |
| 16 | ECS2000-28PP-00081 | MAC-VLAN: This MAC VLAN cannot work. |
| 17 | ECS2000-28PP-00083 | CLI: remove garp/gvrp related commands because they are not supported for the project |

**Runtime V1.1.1.0**

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| 1 | Init Version |

**Work as Designed (wAD) Or Faulty report eprs:**

**Runtime V1.1.2.2, Loader 0.1.1.6**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00355 | ACL can't deny dhcp packet If VLAN interface is static IP. |
| 2 | ECS2000-28PP-00396 | 802.1X-GVLAN: User can configure the Guest-VLAN which is the id number of suspend VLAN or id number of inexistent VLAN . |
| 3 | ECS2000-28PP-00455 | After delete static mac entry, the corresponding arp entry should be deleted, too. |
| 4 | ECS2000-28PP-00484 | IP Source Guard: The default maximum binding number is incorrect. |
| 5 | ECS2000-28PP-00497 | IP Source Guard: We can enable this IP filter with MAC mode, but DUT does not filter this source IP. |

**Runtime V1.1.1.35, Loader 0.1.1.6**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00432 | 802.1x authorized, but 802.1x is disabled.  -> modify spec. |
| 2 | ECS2000-28PP-00443 | 802.1x-GVLAN-0030:Guest VLAN shall NOT take effect if specified VLAN is not activated on DUT  -> modify spec |
| 3 | ECS2000-28PP-00468 | DHCP-SNP: DHCP-SNP maximum binding does not matched to IP Source-guard, and it should be limited.   * Due to EPR: ECS2000-28PP-00444 |

**Runtime V1.1.1.35, Loader 0.1.1.6**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00418 | DHCP-SNP: DUT send out incorrect encoding option 82 information. |

**Runtime V1.1.1.34, Loader 0.1.1.6**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00383 | IPv4-AddrConfig: Default gateway address can set network address and broadcast address. |

**Runtime V1.1.1.33, Loader 0.1.1.6**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00410 | DHCP\_DYNC\_Prov: When destination file name over 32 we got error message. |
| 2 | ECS2000-28PP-00424 | Statistic: When we inject unicast packets with 128 bytes and no CRC error, this undersize and Fragments count should not be i |

**Runtime V1.1.1.30, Loader 0.1.1.4**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00336 | maximum IPSG binding entires is 63 per system |
| 2 | ECS2000-28PP-00368 | LLDP : The LLDP pdu dose NOT include TIATR-41Committee |
| 3 | ECS2000-28PP-00369 | IPv4-AddrConfig:Setting Gateway IP with network address and broadcast address will not appear error. |
| 4 | ECS2000-28PP-00380 | MAC-VALN: MAC-VLAN function can not work. |
| 5 | ECS2000-28PP-00382 | COS : The ratio is wrong when mapping priority queue |
| 6 | ECS2000-28PP-00391 | Statistic: When we inject unicast packets to single port from mutiple ports; the collision count is not increased. |
| 7 | ECS2000-28PP-00392 | CoS: When data forwarded by same queue, the received ratio will become incorrect. |

**Runtime V1.1.1.24, Loader 0.1.1.2**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00248 | Voice Vlan : Voice vlan security mode can NOT drop the packetes' which not match voice vlan oui |

**Runtime V1.1.1.21, Loader 0.1.1.2**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00239 | 802.1X: The dot1x functionally should be work well with windows2008 NPS. |

**Runtime V1.1.1.12, Loader 0.1.1.2**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00241 | ARP: The DUT doesn't renew ARP entry when receive gratuitous arp. |

**Runtime V1.1.1.10, Loader 0.1.0.0**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00186 | DAI: During display DAI log, the entry will print in different line. |
| 2 | ECS2000-28PP-00198 | RD-MAC-Learning: configure static mac address entries to a trunk,after delete the trunk these entries still exist |
| 3 | ECS2000-28PP-00199 | RD-MAC-Learning: configure static mac address entries to a vlan,after delete the vlan these entries still exist |
| 4 | ECS2000-28PP-00217 | PoE: CLI display incorrect power inline status. |

**Runtime V1.1.1.7, Loader 0.1.0.0**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00162 | DHCP-Relay: DUT should not configure own IP and subnet address as relay server. |
| 2 | ECS2000-28PP-00178 | NTP: The ntp client of DUT will getting the ntp information after 1024 secs when the DUT reboot. |
| 3 | ECS2000-28PP-00184 | STP: The range of pathcost method is incorrect. |

**Runtime V1.1.1.6, Loader 0.1.0.0**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00116 | DHCP Snooping: This DHCP snooping limit cannot work, DUT return error message. |
| 2 | ECS2000-28PP-00157 | DAI: Configure DAI rate-limit to none, the rate of ARP message still be limited. |

**Runtime V1.1.1.5, Loader 0.1.0.0**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00089 | IPv6\_HTTP: Can not login management page via link-local address of the DUT. |
| 2 | ECS2000-28PP-00103 | ImageMgmt: Can't download the image when the DUT has full load traffic. |
| 3 | ECS2000-28PP-00113 | PortSecurity: The CPU Utilization displays 100% when the port has configure the port security setting. |
| 4 | ECS2000-28PP-00119 | MAC-Filter: The MAC-Filter doesn't work which has no "network-access mode mac-authentication" command on per-port. |

**Runtime V1.1.1.2, Loader 0.1.0.0**

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|  | EPR | Headline |
| 1 | ECS2000-28PP-00100 | ImageMgmt: During download the opcode which DUT will reboot by another session. |
| 2 | ECS2000-28PP-00101 | IGMP-SNP: Multicast data flood after group timeout. |

**Known Bugs and Issues:**

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

**Known RESTRICITIONS AND Limitations:**

|  |  |
| --- | --- |
| 1 | L2 table (8K entries) share for L2 unicast, L2 multicast, IPv4 multicast, IPv6 multicast, Routing. |
| 2 | For all Basic Switching Unit-Test items of the half duplex, the counter of fragments would increase the same number/speed as the counter, collisions on IXIA.  It is confirmed by Realtek Josh. It is chip normal behaviour which follow the standard.  RTK use the “Collision based backpressure” of flow control(backpressure) on half mode. It will send the jam pattern packet to do the flow control. |
| 3 | Due to chip limitation, do not support Port-based QoS. |
| 4 | Due to chip limitation, not support global ACL (As before said "VLAN ACL") |
| 5 | Due to chip limitation, not allow configure IP/IPv6 pattern on MAC ACL. |
| 6 | Due to chip limitation(chip did not have addition table which internal priority to Queue for CPU), do not support command “qos map phb-queue”. |
| 7 | We had double confirm with REALTEK, and the chip  1. doesn't support color  2. burst size only support global setting (Only two configuration)  so it only could use for police flow rate-limite,  Add new CLI command on "police-map class" mode  **[no] police rate** *rate-kbps* |
| 8 | Due to chip limitation, there are 7 counters not be supported: (ECS2000-28PP-00051)  Error Output  Unknown Protocols Input  QLen Output  Alignment Errors  SQE Test Errors  Internal Mac Reveive Errors  Carrier Sense Errors  Due to chip limitation, The Discard input(IF\_IN\_DISCARDS\_INDEX) is not support in the RealTek 838x / 839x chip family, however, the SDK would return RT\_ERR\_OK with such case.( ECS2000-28PP-00466) |
| 9 | The cabel diag function can detect maximum to 100 meters, the error is 12~15 meters. |
| 10 | Due to chip limitation, do not support per-port jumbo frame. Only support per-system jumbo frame. |
| 11 | Due to chip limitation(rule's remark action only can remark cos or dscp), voice vlan function can not support remarking dscp priority. |
| 12 | Due to chip and h/w board’s design limitation, while SFP transceiver plug in, the cpu need take more time to init it. It will lead system response slow. |
| 13 | Due to chip limitation, can not support “False Carrier Sense Counter” on MAU MIB. |
| 14 | Chip can not provide the collision mac-address. |
| 15 | Due to chip limitation, cannot support change the priority of multicast packet. |
| 16 | Due to chip limitation, the reason of trap to cpu of protocol packet like bpdu/lacp/lldp/dot1x are all the same, all these packets will go throw the queue 5. |
| 17 | Due to many functions need rule table to implement. IPv4 std/extend ACL use the same h/w rule slice. So IPv4 std and IPv4 extend ACL can not enable at the same time. |
| 18 | Due to many functions need rule table to implement. IPv6 std/extend ACL use the same h/w rule slice. So IPv6 std and IPv6 extend ACL can not enable at the same time. |
| 19 | Due to chip limitation, only support BPDU bypass VLAN check, LACP bypass VLAN check, LLDP bypass VLAN check. |
| 20 | Due to chip limitation. MAC-base VLAN can't work with IPSG. [ECS2000-28PP-00321] |
| 21 | Due to chip limitation, when port is link up at 10 Mbps, Cable Diag is not supported. |

**Compliance support:**

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| **Compliance Level** | **Compliant** |
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Known Anomalies: None.

**IEEE Standards Support:**

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

**IETF Standards MIB Support:**

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

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

**ECS2000 Private Enterprise MIB Support:**

|  |  |
| --- | --- |
| **Title** | Version |
| ECS2000-Series.mib | 201506030000Z |

**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: