Gigabit Ethernet Switch ECS4620-28T/28P/28F/52T/52P

***Phase 2 Firmware Version 1.2.2.18***

**INTRODUCTION:**

The ECS4620 is a 28/52-port 10/100/1000 L3 Gigabit Ethernet Switch.

Local Console Management (LCM) allows the user to monitor and configure the ECS4620-28T 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 BootP/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 | 0.0.0.1 | Init VersionCC: EC\_VOB main(2013/1/10 10:00AM) | 2013/1/11 |
| Phase1 Testing Version | 1.1.0.0 | CC: EC\_VOB main(2013/7/2 10:00AM) | 2013/7/2 |
| Phase1 Testing Version | 1.1.0.1 | CC: EC\_VOB main(2013/7/22 10:00AM) | 2013/7/22 |
| Phase1 Testing Version | 1.1.0.2 | CC: EC\_VOB main(2013/10/04 3:00PM) | 2013/10/04 |
| Phase1 Testing Version(Cancel) | 1.1.0.3 | CC: EC\_VOB main(2013/10/14 2:00PM) | 2013/10/14 |
| Phase1 Testing Version | 1.1.0.4 | CC: EC\_VOB main(2013/10/14 6:00PM) | 2013/10/14 |
| Phase1 Test Version | 1.1.1.1 | CC: ES4626F-SW-FLF-38\_ES4627MB\_V1.4.1.0\_Ph4\_branch (EC\_VOB)(2013/11/14 10:00AM) | 2013/11/14 |
| Phase1 Test Version | 1.1.1.2 | CC: EC\_VOB main(2014/1/16 9:30AM) | 2014/1/16 |
| Phase1 Test Version | 1.1.1.3 | CC: EC\_VOB main(2014/1/24 5:30PM) | 2014/1/24 |
| Phase1 Test Version | 1.1.1.4 | CC: EC\_VOB main(2014/2/5 2:30PM) | 2014/2/5 |
| Phase1 Test Version | 1.1.1.5 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.1.1.3\_Ph1\_branch(2014/2/19 9:30AM) | 2014/2/19 |
| Phase1 Test Version(Cancel) | 1.1.1.6 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.1.1.3\_Ph1\_branch(2014/2/19 5:30PM) | 2014/2/20 |
| Phase1 Test Version | 1.1.1.7 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.1.1.3\_Ph1\_branch(2014/2/21 5:00PM) | 2014/2/21 |
| Phase1 Test Version | 1.1.1.8 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.1.1.3\_Ph1\_branch(2014/3/4 11:00AM) | 2014/3/4 |
| Phase1 Test Version | 1.1.1.9 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.1.1.3\_Ph1\_branch(2014/3/4 4:00PM) | 2014/3/4 |
| Phase1 Test Version | 1.1.1.10 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.1.1.3\_Ph1\_branch(2014/3/5 10:00AM) | 2014/3/5 |
| Phase1 Test Version | 1.1.1.11 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.1.1.3\_Ph1\_branch(2014/3/7 4:40PM) | 2014/3/7 |
| Phase1 Test Version | 1.1.1.12 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.1.1.3\_Ph1\_branch(2014/3/12 5:00PM) | 2014/3/12 |
| Phase2 Test Version | 1.2.1.0 | CC:EC\_VOB main(2014/3/17 10:00AM) | 2014/3/17 |
| Phase2 Test Version | 1.2.1.1 | CC:EC\_VOB main(2014/3/26 9:30AM) | 2014/3/26 |
| Phase2 NTC Test Version | 1.2.1.2 | CC:EC\_VOB main(2014/4/8 10:00AM) | 2014/4/8 |
| Phase2 NTC Test Version | 1.2.1.3 | CC:EC\_VOB main(2014/4/14 10:00AM) | 2014/4/14 |
| Phase2 Test Version | 1.2.1.4 | CC:EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.2.1.2\_Ph2\_branch (2014/5/7 10:30AM) | 2014/5/7 |
| Phase2 NTC Test Version | 1.2.1.5 | CC:EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.2.1.2\_Ph2\_branch (2014/5/12 1:30PM) | 2014/5/12 |
| Phase2 NTC Test Version | 1.2.1.6 | All the same as 1.2.1.5, but fix userauth running config issue. | 2014/5/15 |
| Phase2 RD internal test | 1.2.1.8 | CC:EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.2.1.2\_Ph2\_branch (2014/5/29 11:00AM) | 2014/5/29 |
| Phase2 NTC test Version | 1.2.1.9 | CC:EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.2.1.2\_Ph2\_branch (2014/5/29 9:30AM) | 2014/6/4 |
| Phase2 RD internal test | 1.2.1.10 | CC:EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.2.1.2\_Ph2\_branch (2014/6/12 1:30PM) | 2014/6/12 |
| Phase2 NTC test | 1.2.1.11 | CC:EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.2.1.2\_Ph2\_branch (2014/6/13 9:30AM) | 2014/6/13 |
| Phase2 NTC test | 1.2.2.0 | All the same as V1.2.1.11 except version number only | 2014/6/19 |
| Phase2 NTC test | 1.2.2.1 | Only modify diag wire speed test and baed on V1.2.2.0 | 2014/11/28 |
| Phase2 Patch | 1.2.2.2 | CC:EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.2.1.2\_Ph2\_branch (2015/4/8 9:30AM) | 2015/4/8 |
| Phase2 Patch(cancel) | 1.2.2.3 | CC:EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.2.1.2\_Ph2\_branch (2015/5/15 9:30AM) | 2015/5/19 |
| Phase2 Patch | 1.2.2.4 | Based on V1.2.2.3 + fix exception issue while copy tftp file | 2015/5/25 |
| Phase2 Patch | 1.2.2.5 | Based on V1.2.2.4 + fix show running hang issue | 2015/5/26 |
| Phase2 Patch | 1.2.2.6 | CC:EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.2.1.2\_Ph2\_branch (2015/6/12 9:30AM) | 2015/6/12 |
| Phase2 Patch(Cancel) | 1.2.2.7 | CC:EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.2.1.2\_Ph2\_branch (2015/7/14 9:30AM) | 2015/7/14 |
| Phase2 Patch(Cancel) | 1.2.2.8 | All the same as 1.2.2.7, but fix userauth running config issue. | 2015/7/16 |
| Phase2 Patch(Cancel) | 1.2.2.9 | CC:EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.2.1.2\_Ph2\_branch (2015/8/6 2:00PM) | 2015/8/6 |
| Phase2 Patch | 1.2.2.10 | CC:EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.2.1.2\_Ph2\_branch (2015/8/7 3:00PM) | 2015/8/7 |
| Phase2 Patch | 1.2.2.11 | CC:EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.2.1.2\_Ph2\_branch (2015/8/28 3:00PM) | 2015/8/28 |
| Phase2 Patch | 1.2.2.13 | CC:EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.2.1.2\_Ph2\_branch (2015/9/9 9:30AM) | 2015/9/9 |
| Phase2 Patch | 1.2.2.15 | CC:EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.2.1.2\_Ph2\_branch (2015/9/24 1:30PM) | 2015/9/25 |
| Phase2 Patch | 1.2.2.16 | CC:EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.2.1.2\_Ph2\_branch (2015/11/4 11:30AM) | 2015/11/04 |
| Phase2 Patch | 1.2.2.17 | Based On 1.2.2.16 + fix ECS4620-28T-00357  | 2015/11/9 |
| Phase2 Patch | 1.2.2.18 | CC:EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.2.1.2\_Ph2\_branch (2015/12/11 2:30PM) | 2015/12/11 |

**LOADER:**

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| **Status** | **Version No.** | **Type** | **Release Date** |
| Test Version | 0.0.1.2 | Init VersionCC: EC\_VOB main(2013/1/10 10:00AM) | 2013/1/11 |
| Test Version | 0.0.1.3 | CC: EC\_VOB main(2013/6/19 10:00AM) | 2013/6/19 |
| Test Version | 0.0.1.4 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.1.1.3\_Ph1\_branch(2014/2/19 9:30AM) | 2014/2/7 |
| Test Version | 0.0.1.6 | CC:EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.2.1.2\_Ph2\_branch (2014/5/29 9:30AM) | 2014/6/4 |
| Test Version | 0.0.1.7 | CC:EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.2.1.2\_Ph2\_branch (2014/6/12 1:30PM) | 2014/6/12 |
| Test Version | 0.3.2.1 | CC: EC VOB main (2015/4/2) | 2015/4/2 |

**MINI LOADER:**

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| **Status** | **Version No.** | **Type** | **Release Date** |
| Testing Version | 0.0.0.1 | Use ES4627MB’s mini-uboot | 2012/9/20 |
| Testing Version | 0.0.0.2 | CC: EC\_VOB main(2013/6/19 10:00AM) | 2013/6/19 |
| Testing Version | 0.0.0.3 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.1.1.3\_Ph1\_branch(2014/2/19 9:30AM) | 2014/2/7 |
| Test Version | 0.3.0.0 | CC: EC VOB main (2015/3/12) | 2015/3/12 |

**MFG Runtime:**

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| **Status** | **Version No.** | **Type** | **Release Date** |
| Testing Version | 1.2.1.6 | Init VersionCC: EC\_VOB main(2013/1/10 10:00AM) | 2013/1/11 |
| Testing Version | V1.4.0.0 | CC: EC\_VOB main(2013/6/19 10:00AM) | 2013/6/19 |
| Testing Version | V1.5.0.0 | CC: EC\_VOB ES4626F-SW-FLF-38\_ECS4620\_V1.1.1.3\_Ph1\_branch(2014/2/19 9:30AM) | 2014/2/7 |
| Testing Version | 1.6.1.0 | CC: EC VOB main (2015/3/12) | 2015/3/12 |

**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 ECS4620-28T\_Phase2\_FeatureList\_20140408.xlsx

**Installation and Configuration Notes:**

In general, the ES4627MB **Switch** will be shipped to you pre-configured with this version of firmware. If you would like to upgrade an existing ES4627MB **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 V0.0.1.2**

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|  |  | Init |

**Loader V0.0.1.3**

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|  | EPR | Headline |
| 1 | ES4627MB-FLF-EC-00303 | BackDoor:UPDM not working on backdoor. |

**Loader V0.0.1.4**

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|  | EPR | Headline |
| 1 | ES4627MB-FLF-EC-00371 | Study and coding for USB support |
| 2 | ES4627MB-FLF-EC-00364 | Add upgrade epld function in uboot and rumtime |
| 3 | ES4627MB-FLF-EC-00538 | [Loader] Loader will consider the startup runtime filename invalid if its length > 21 |
| 4 | ECS4620-28T-00155 | ES4627MB-ELF-EC:Study and coding for USB support |

**Loader V0.0.1.6**

|  |  |  |
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|  | EPR | Headline |
| 1 | ECS3510-28T-00253 | Loader: backdoor passwd doesn't be encrypted |
| 2 | ES4627MB-FLF-EC-00486 | uboot enhancement to dump the location which bit flip happens |
| 3 | ES4627MB-FLF-EC-00630 | [enhance] command "mac-address-table hash-lookup-depth 32" can be displayed in running config. |
| 4 | ES4627MB-FLF-EC-00647 | [Loader]Need to have different uboot password for ES4627MB,ECS4620-28T,ES4200-PGM |
| 5 | ES4627MB-FLF-EC-00640 | Enhancement : change bootrom password |
| 6 | ES4627MB-FLF-EC-00645 | [enhancement] Password for BootRom must be configurable via CLI remotely(Telnet, SSH) |

**Loader V0.0.1.7**

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|  | EPR | Headline |
| 1 | ES4627MB-FLF-EC-00662 | USB disk support on ES4627MB |

**Loader V** **0.3.1.0**

|  |  |  |
| --- | --- | --- |
|  | EPR | Headline |
| 1 | ES4627MB-FLF-EC-00662 | USB disk support on ES4627MB |

**Loader V** **0.3.1.0**

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|  | EPR | Headline |
| 1 | ES4627MB-FLF-EC-00682 | - verify uboot header checksum when reading from flash- fix uboot upgrade through y-modem of mini-uboot- fix bit-flip would return uncorrected error- fix infinite loop when correcting bit-flip |

**Loader V** **0.3.2.1**

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|  | EPR | Headline |
| 1 | ES5652BT1-FLF-EC-00314 | [Loader] Fails to load runtime image, 32-char file name. |

**Mini Loader V0.0.0.1**

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|  |  | Init |

**Mini Loader V0.0.0.2**

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|  | EPR | Headline |
| 1 | ES4627MB-FLF-EC-00328 | [Loader Enhancement] Mini Uboot Support X-Modem download 2nd Stage Uboot image and boot |

**Mini Loader V0.0.0.3**

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|  | EPR | Headline |
| 1 | ES4627MB-FLF-EC-00581 | mini uboot Y-Modem update formal uboot failure |

**Mini Loader V0.3.0.0**

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| --- | --- | --- |
|  | EPR | Headline |
| 1 | ES4627MB-FLF-EC-00682 | - verify uboot header checksum when reading from flash- fix uboot upgrade through y-modem of mini-uboot- fix bit-flip would return uncorrected error- fix infinite loop when correcting bit-flip |

**MFG Runtime V1.2.1.6**

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|  |  | init |

**MFG Runtime V1.4.0.0**

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|  | EPR | Headline |
| 1 | ES4627MB-FLF-EC-00319 | [mfg runtime] Can not finish the recovery process while the bad block is at 0x500000 |

**MFG Runtime V1.5.0.0**

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|  | EPR | Headline |
| 1 |  | Just build from Branch(ES4626F-SW-FLF-38\_ECS4620\_V1.1.1.3\_Ph1\_branch) for PGM project. |

**MFG Runtime V1.6.1.0**

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|  | EPR | Headline |
| 1 | ES4627MB-FLF-EC-00712 | sometimes can not enter runtime after recovery |

**Runtime V0.0.0.1**

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|  |  | Init |

**Runtime V1.1.0.0**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00001 | Support OSPF |
| 2 | ECS4620-28T-00002 | Support IPv6 static route |
| 3 | ECS4620-28T-00003 | Support VLAN ACLs |
| 4 | ECS4620-28T-00004 | ACL: ACL doesn't work well when enable time-range and compress |
| 5 | ECS4620-28T-00005 | correct some information of private mib file |
| 6 | ECS4620-28T-00006 | [28F] flow control can't work on 1-22 port |
| 7 | ECS4620-28T-00007 | <28F>When we want to clear global data via command "clear ip ospf process",it won't work well |
| 8 | ECS4620-28T-00008 | Modify the max number of routing table entries to 13K. |
| 9 | ECS4620-28T-00009 | Support IPv4/IPv6 Multicast routing. |
| 10 | ECS4620-28T-00010 | Support IPv4/IPv6 DHCP related functions. |
| 11 | ECS4620-28T-00011 | Support IPv6 DHCP related functions & ND Snooping & IPv6 Source Guard |
| 12 | ECS4620-28T-00012 | Support IPv4 DHCP related functions & UDP Helper. |
| 13 | ECS4620-28T-00013 | Support VRRP |
| 14 | ECS4620-28T-00014 | Support IPv6 Router Advertisement |
| 15 | ECS4620-28T-00015 | Support OSPFv3 |
| 16 | ECS4620-28T-00016 | Support ECMP |
| 17 | ECS4620-28T-00017 | Support BGP |
| 18 | ECS4620-28T-00018 | Support Proxy ARP |
| 19 | ECS4620-28T-00019 | Support Partial Config |
| 20 | ECS4620-28T-00020 | [enhance] set SYS\_ADPT\_MAX\_FILE\_SIZE to 18MB from 15MB |

**Runtime V1.1.0.1**

|  |  |  |
| --- | --- | --- |
|  | EPR | Headline |
| 1 | ECS4620-28T-00021 | change from kbps to pps for storm control |
| 2 | ECS4620-28T-00022 | [enhance] user can config the maximum of FDB lookup depth. |
| 3 | ECS4620-28T-00024 | [enhance] default hash key of port channel become src-dst-ip |
| 4 | ECS4620-28T-00025 | IGMPSNP: implement immediate leave with by-hop-ip option |

**Runtime V1.1.0.2**

|  |  |  |
| --- | --- | --- |
|  | EPR | Headline |
| 1 | ECS4620-28T-00022 | [enhance] user can config the maximum of FDB lookup depth. |
| 2 | ECS4620-28T-00023 | L3 switch does not need DHCPv6 client |
| 3 | ECS4620-28T-00026 | [enhancement] add the DHCP snooping table binding table entry to 16 |
| 4 | ECS4620-28T-00027 | [enhancement] support igmpsnp/mldsnp source filtering when ipv4/v6 multicast routing is enabled |
| 5 | ECS4620-28T-00028 | RIP: The DUT won't learning the neighbor information of rip |
| 6 | ECS4620-28T-00029 | OSPFv3: Can't learning OSPFv6 neighbor information. |
| 7 | ECS4620-28T-00030 | BGP: Can't configure the BGP neighbor. |
| 8 | ECS4620-28T-00031 | PIM-DM: After this OSPF route is changed, DUT does not forward multicast group to host. |
| 9 | ECS4620-28T-00032 | PIM-DM: After we enable PIM and OSPF, DUT always show unneeded message. |
| 10 | ECS4620-28T-00033 | PIM-DM6: After we change this designated forwarder, DUT does not forward multicast group to host. |
| 11 | ECS4620-28T-00034 | VRRP: The Master VRRP has no respond the ARP packets when client has requested. |
| 12 | ECS4620-28T-00035 | PIM-DM: When we enable RIP and PIM-DM, DUT does not forward multicast group to host. |
| 13 | ECS4620-28T-00036 | PIM-DM: DUT cannot forward maximum multicast groups to host. |
| 14 | ECS4620-28T-00038 | IPv6-StaticRoute: CLI print error message after create maximum IPv6 static route. |
| 15 | ECS4620-28T-00039 | VRRP: The DUT can't record the authentication failed on log system. |
| 16 | ECS4620-28T-00040 | IGMPSNP: When enable ip multicast routing, multicast data can not be forwarded to registered port. |
| 17 | ECS4620-28T-00041 | Net&HostRoute: Device crash after generate 2000 host routes. |
| 18 | ECS4620-28T-00042 | MLDv2: The maximum response interval range is incorrect. |
| 19 | ECS4620-28T-00043 | PIM-DM: After we shutdown interface, DUT does not send out this Hello with hold-time value zero. |
| 20 | ECS4620-28T-00044 | PIM-DM: After this prune\_limit\_time is expired, DUT does not re-forward multicast data. |
| 21 | ECS4620-28T-00045 | PIM-DM: After DUT receive Join packet; it does not forward multicast packets to downstream. |
| 22 | ECS4620-28T-00046 | PIM-DM: When DUT receive this hold-time of Prune greater than the current value, it does not reset this expired timer of (S,G |
| 23 | ECS4620-28T-00047 | PIM-DM: After this downstream has member and receive Prune message, DUT does not send out Join message to override this Prun |
| 24 | ECS4620-28T-00048 | UDPHelper: The DUT will print exception message and auto reboot after 10 mins when DHCP client send DHCP discover packet and |
| 25 | ECS4620-28T-00049 | UDPHelper: Doesn't support the private mib of UDPHelper function. |
| 26 | ECS4620-28T-00050 | UDPHelper: The DUT doesn't reject the 255.255.255.255 of IP address when user set the addresss of UDP helper. |
| 27 | ECS4620-28T-00051 | PIM-DM: After we change this graft-retry-interval value, DUT cannot send correct Graft packet amount every period. |
| 28 | ECS4620-28T-00052 | MLDv2: When receive filter mode is Exclude(2), the group mode not change to exclude. |
| 29 | ECS4620-28T-00053 | PIM-DM: After DUT receive Graft-Ack packet, it does not stop to send Graft packets. |
| 30 | ECS4620-28T-00054 | PIM-DM: After DUT receive Assert with better preference; it should not send out this Prune to upstream repeatedly. |
| 31 | ECS4620-28T-00055 | MLDv2: Can't learning group information after group leave. |
| 32 | ECS4620-28T-00056 | PIM-DM: When this RPF router receives Prune from its downstream, it does not resend itself Prune. |
| 33 | ECS4620-28T-00057 | PIM-DM: DUT receive Prune(S, G) on upstream from another router and OIL(S, G) is not empty, it should not send out this Graft |
| 34 | ECS4620-28T-00058 | PIM-DM: When DUT receive data and OIL(S, G) is empty; DUT should not send out this Graft message to upstream. |
| 35 | ECS4620-28T-00059 | PIM-DM: When upstream does not generate this duplicate data, DUT should not send out this Assert message. |
| 36 | ECS4620-28T-00060 | PIM-DM6: When DUT receive data and OIL(S, G) is empty; DUT should not send out this Graft message to upstream. |
| 37 | ECS4620-28T-00061 | MLDv2: There is no MLD WEB page. |
| 38 | ECS4620-28T-00062 | MLD-MIB: The mldInterfaceGroups always shows 0. |
| 39 | ECS4620-28T-00063 | MLD-MIB: The value of mldInterfaceQuerierExpiryTime always shows 0. |
| 40 | ECS4620-28T-00064 | IGMP-MIB: Time of igmpCacheUpTime and igmpCacheExpiryTime is wrong. |
| 41 | ECS4620-28T-00065 | PIM-DM6: When upstream does not generate this duplicate data, DUT should not send out this Assert message. |
| 42 | ECS4620-28T-00066 | PIM-DM6: When downstream router receives Graft-Ack, it does not stop to send itself Graft message. |
| 43 | ECS4620-28T-00067 | PIM-DM6: DUT cannot create maximum 1024 multicast entries. |
| 44 | ECS4620-28T-00068 | IGMP\_Proxy: Clients which join with v3 report can't recevive multicast data when othe clients join with v1 or v2 report. |
| 45 | ECS4620-28T-00069 | OSPF: Route summary doesn't work. |
| 46 | ECS4620-28T-00070 | IGMP\_Proxy: Execption happened when test mix version Proxy |
| 47 | ECS4620-28T-00071 | PIM-DM6: After we change this graft-retry-interval value, DUT cannot send correct Graft packet for every period. |
| 48 | ECS4620-28T-00072 | IGMP-MIB: The ipMRouteEntryCount oid will show "no such object" when the multicast router table has records. |
| 49 | ECS4620-28T-00073 | ARPMgt: We cannot clear dynamic ARP entry from MIB. |
| 50 | ECS4620-28T-00083 | [enhance] show lldp info local-device should display "Bridge, Router" |

**Runtime V1.1.0.3**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00037 | Traceroute6: Perform traceroute6 always got no response. |
| 2 | ECS4620-28T-00084 | [enhance] support MLD Filtering and Throttling |
| 3 | ECS4620-28T-00085 | BGP: no router bgp may cause exception |
| 4 | ECS4620-28T-00087 | Update the web help page (V1.1.0.2) |
| 5 | ECS4620-28T-00089 | ARP: dynamic arp entry didn't been added into arp table. |

**Runtime V1.1.0.4**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00086 | 52P - no PoE function |
| 2 | ECS4620-28T-00087 | Update the web help page (V1.1.0.2) |

**Runtime V1.1.1.1**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00073 | ARPMgt: We cannot clear dynamic ARP entry from MIB. |
| 2 | ECS4620-28T-00090 | [WEB] The length of inputIpv6 text is too short. |
| 3 | ECS4620-28T-00091 | [WEB] Information of static trunk is not correct. |
| 4 | ECS4620-28T-00092 | [WEB] Page of Administration > PoE > PSE is blank. |
| 5 | ECS4620-28T-00101 | RIP: The DUT send out the response packets of RIP doesn't follow the configured timer. |
| 6 | ECS4620-28T-00105 | [WEB] Both Configure by Port List and Configure by Port Range show blank pages on 52P dut. |
| 7 | ECS4620-28T-00116 | RIP: User can't set the value of maximum prefix over than 10240. |
| 8 | ECS4620-28T-00151 | Update web help page from es4651mb-help(1.1.0.2)\_1114 |
| 9 | ES4627MB-FLF-EC-00371 | ES4627MB-ELF-EC:Study and coding for USB support |

**Runtime V1.1.1.2**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00096 | Net&HostRoute: DUT auto reboot after inject 2000 hosts. |
| 2 | ECS4620-28T-00097 | VRRP: The DUT doesn't record the ARP cache when user sets the default gateway of VRRP ip address of PC |
| 3 | ECS4620-28T-00098 | VRRP: Destroy the VRRP IP that will show commit failed from SNMP protocol. |
| 4 | ECS4620-28T-00102 | The DUT doesn't discard the Bootp request when the host send the BOOTP request message that the hops of message exceed 15. |
| 5 | ECS4620-28T-00103 | RIP: User can't get the neighbor information by ripNeighborAddressStatus mib oid. |
| 6 | ECS4620-28T-00117 | RIP: Need to modify the usage guidelines of passive-interface of RIP\_comd.doc. |
| 7 | ECS4620-28T-00120 | PIM-SM: When enable IP IGMP Snooping, multicast data can not be forwarded to registered port. |
| 8 | ECS4620-28T-00123 | BGP: Can't disable the route-server-client with peer-group name functionally. |
| 9 | ECS4620-28T-00124 | BGP: The DUT will cause exception message and reboot when enable/disable route-server-client many times. |
| 10 | ECS4620-28T-00127 | BGP: Can't redistribute the OSPF protocol by BGP routing. |
| 11 | ECS4620-28T-00142 | PIM-SM6: When DUT receive Join message from downstream, it does not refresh this expired timer. |
| 12 | ECS4620-28T-00154 | VLAN Version Number should be display "2" |
| 13 | ES3528MV2-FLF-EC-00502 | VLAN: PVID can be set on VLAN which a port does not join; a new command can set VLAN membership directly without add/remove. |

**Runtime V1.1.1.3**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00095 | PIM-DM: When this downstream has not member, DUT does not stop to forward multicast data. |
| 2 | ECS4620-28T-00106 | RIP: The DUT will show empty of redistribution table when added a bgp of redistribute. |
| 3 | ECS4620-28T-00107 | MLD-MIB: The value of mldCacheLastReporter always shows 0. |
| 4 | ECS4620-28T-00108 | MLD-MIB: The value of mldCacheUpTime and mldCacheExpiryTime always shows 0. |
| 5 | ECS4620-28T-00112 | PIM-DM: When we change this spanning-tree topology, CLI is halted and rebooting. |
| 6 | ECS4620-28T-00113 | OSPF: Can't reach to the network when multiple path has same cost. |
| 7 | ECS4620-28T-00118 | OSPF: After configure area range advertise, the route can't advertised anymore. |
| 8 | ECS4620-28T-00119 | PIM-SM6: RP router cannot send Join message and forward data. |
| 9 | ECS4620-28T-00121 | PIM-SM: When this unicast route is changed; host cannot receive multicast data and DUT rebooting. |
| 10 | ECS4620-28T-00125 | OSPF: Create multiple nssa entry and save configuration, DUT print error message and auto reboot. |
| 11 | ECS4620-28T-00126 | PIM-SM: DUTs with multiple tagged VLAN can not learn all pim neighbors. |
| 12 | ECS4620-28T-00132 | PIM-SM6: When we configure two BSR routers, host receives duplicated multicast data. |
| 13 | ECS4620-28T-00133 | BGP: The DUT will show the exception message when enable the default-originate. |
| 14 | ECS4620-28T-00137 | PIM-SM6: After we change RP priority; DUT cannot register to correct RP router. |
| 15 | ECS4620-28T-00138 | BGP: Show the neighbor information that is incorrect when configure the neighbor port to a port number. |
| 16 | ECS4620-28T-00149 | BGP: The running-config doesn't record the bgp client-to-client reflection |
| 17 | ECS4620-28T-00150 | BGP: The IP BGP regular can't display the information. |
| 18 | ECS4620-28T-00157 | VLAN Version Number should be display "2" (web part) |
| 19 | ES4627MB-FLF-EC-00533 | [enhance] support MSTP instances to 65 (64 MSTI + 1 CIST) |
| 20 | ES4627MB-FLF-EC-00574 | [Enhance] RSTP support TCN propogation group |
| 21 | ES4627MB-FLF-EC-00575 | [Enhance] UDLD support configurable recover timer and detection timer |
| 22 | ES4627MB-FLF-EC-00583 | Enhancement: CPU protection to prevent management loss by heavy traffic attack |
| 23 | ECS3510-28T-00381 | Enhancement Per process cpu usage monitoring |

**Runtime V1.1.1.4**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00164 | IGMP-SNP: Multicast traffic can't be forwarded. |
| 2 | ECS4620-28T-00165 | MLDSNP: IPv6 multicast data can not forwarded to registered port. |
| 3 | ECS4620-28T-00169 | MVR: Multicast data can not forwarded to registered port. |
| 4 | ECS4620-28T-00170 | MVRv6: MVR6 function can not work. |

**Runtime V1.1.1.5**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00104 | PIM-SM: Multicast data can not be forwarded to one port after around 80 seconds. |
| 2 | ECS4620-28T-00109 | PIM-SM: IP address in Info source is wrong when the device is bsr router. |
| 3 | ECS4620-28T-00111 | PIM-DM: After we disconnect and re-connect Trunk, DUT does not re-forward multicast data. |
| 4 | ECS4620-28T-00115 | RIP: The WEB management can't add the bgp routing protocol of redistribute. |
| 5 | ECS4620-28T-00122 | PIM-SM: Some multicast data can not be forwarded to registered ports even after 180 seconds when change STP priority. |
| 6 | ECS4620-28T-00129 | PIM-SM6: After we inject 3 multicast groups to 3 RP routers over 2 hours, all DUTs reboot. |
| 7 | ECS4620-28T-00140 | OSPF: Can't configure redistribute BGP by WEB and MIB. |
| 8 | ECS4620-28T-00141 | OSPF-MIB: Can't enable/disable RFC1583 compatibility by ospfRFC1583Compatibility. |
| 9 | ECS4620-28T-00143 | PIM-SM6: The system with maximum mroute entries happens exception error when disconnect/re-connect the LACP link. |
| 10 | ECS4620-28T-00144 | PIM-SM6: When the port enabled lacp, the DUT happens exception error. |
| 11 | ECS4620-28T-00145 | PIM-SM6: When suspended the VLAN, the DUT happens exception error. |
| 12 | ECS4620-28T-00148 | PIM-SM6: When we change this spanning-tree topology under multicast data forwarding, DUT show exception. |
| 13 | ECS4620-28T-00152 | BGP: The DUT shows exception message when the DUT is set the maximum prefix and learning overflow the maximum prefix entries. |
| 14 | ECS4620-28T-00153 | BGP: The "Last read" time information doesn't update when received the BGP updated information from neighbor. |
| 15 | ECS4620-28T-00155 | ES4627MB-ELF-EC:Study and coding for USB support |
| 16 | ECS4620-28T-00161 | PIM-DM: When we use 52 ports ECS4620-52 as upstream Router, this downstream host receives duplicated data. |
| 17 | ECS4620-28T-00167 | ConfigFile: The SFP port will change to the 10G speed of forced mode automatically when copy startup-config to running-config |
| 18 | ECS4620-28T-00172 | Protocol-VLAN: Fail to bind protocol group when specify priority 7. |
| 19 | ECS4620-28T-00173 | DNS: The DUT will send the AAAA query of IPv6 when set the DNS server IPv4 address only. |
| 20 | ECS4620-28T-00175 | LD: Loopback detection doesn't work. |
| 21 | ECS4620-28T-00177 | WEB\_Auth: Enable WEB\_Auth from WEB\_UI, console print error message. |
| 22 | ECS4620-28T-00178 | PortMonitor: User can create more then two entries of port monitor from CLI when the entries of port monitor the empty. |
| 23 | ECS4620-28T-00179 | MAC-BasedVLAN: The configuration is nonexistent after reboot. |
| 24 | ECS4620-28T-00180 | MAC-BasedMirror: User can configure the All's 0 or f of mac-address. |
| 25 | ECS4620-28T-00186 | L2SW: The DUT doesn't learning the mac-address when the DUT is overclocking. |

**Runtime V1.1.1.6**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00094 | PIM-DM: Disable and enable IP multicast-routing; DUT show exception and reboot itself. |
| 2 | ECS4620-28T-00099 | PIM-DM6: When we enable PIM-DM6 with IPV6 static route on DUT, some host cannot receive multicast group. |
| 3 | ECS4620-28T-00100 | PIM-DM6: DUT cannot learn all neighbors sometimes, and some groups always are flooded. |
| 4 | ECS4620-28T-00130 | PIM-SM6: DUT cannot learn all PIM-SM6 neighbors sometimes. |
| 5 | ECS4620-28T-00159 | the command "ip dhcp excluded-address" is not working when dhcp excluded-address's IP and ip interface's IP are the same |
| 6 | ECS4620-28T-00163 | DAI: After configure packet rate to un-limit, arp packets still be dropped. |
| 7 | ECS4620-28T-00187 | PIM-SM:The 52 ports DUT forward double multicast data to registered ports. |
| 8 | ECS4620-28T-00195 | [enhance] support OSPF area authentication |
| 9 | ECS4620-28T-00196 | [enhance] support BGP Neighbor Authentication |
| 10 | ECS4620-28T-00198 | [enhance] dynamic enable/disable PCL |

**Runtime V1.1.1.7**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00195 | [enhance] support OSPF area authentication |
| 2 | ECS4620-28T-00196 | [enhance] support BGP Neighbor Authentication |
| 3 | ES4627MB-FLF-CN-00033 | Webpage: Webpage can not open when build ecs4620 |

**Runtime V1.1.1.8**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00146 | OSPFv3: DUT crash and auto reboot when we inject 200000 routes. |
| 2 | ECS4620-28T-00162 | ATC: ATC action "shutdown" doesn't work. |
| 3 | ECS4620-28T-00168 | ConfigFile: The ping the remote PC which is timeout when the SFP port is link up. |
| 4 | ECS4620-28T-00174 | LD: Enable LD and add port to maximum VLAN, console print error message and DUT auto reboot. |
| 5 | ECS4620-28T-00176 | SMTP: User can set the address of SMTP server the same as the management address of DUT. |
| 6 | ECS4620-28T-00193 | VRRP: The VRRP can't selected the correct role when DUT has created another vlan interfaces. |
| 7 | ECS4620-28T-00197 | System: After we run SNMP-Walk to get to DUT; it cause this spanning-tree change continuously and DUT cannot learn any route. |
| 8 | ECS4620-28T-00200 | Configure: The DUT will reboot automatically after 10mins when copy TFTP file to running-config more 17 times. |
| 9 | ES4627MB-FLF-CN-00002 | Webpage: Web chinse translation is not complete |
| 10 | ES4627MB-FLF-CN-00003 | Webpage: Warning 被alert阻塞，導致彈出alert時，出現未翻譯信息。 |
| 11 | ES4627MB-FLF-CN-00018 | SMTP: User can set the address of SMTP server the same as the management address of DUT. |
| 12 | ES4627MB-FLF-CN-00032 | Webpage(interface): trunk help page has continuous space between muiltple paragraphs. |
| 13 | ES4627MB-FLF-CN-00039 | WEB-MVR: The description in pull-down menu and help page are different. |
| 14 | ES4627MB-FLF-CN-00040 | WEB-MVR: The word "running" doesn't remove from MVR configure domain page. |
| 15 | ES4627MB-FLF-CN-00052 | SNMP: When we create SNMP-group-view with maximum 32 characters from WB, DUT show exception. |

**Runtime V1.1.1.9**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00134 | BGP: The DUT will crash when learn over 250000 of routing entries. |
| 2 | ECS4620-28T-00146 | OSPFv3: DUT crash and auto reboot when we inject 200000 routes. |
| 3 | ECS4620-28T-00162 | ATC: ATC action "shutdown" doesn't work. |
| 4 | ECS4620-28T-00168 | ConfigFile: The ping the remote PC which is timeout when the SFP port is link up. |
| 5 | ECS4620-28T-00191 | PIM6-SM: The DUT happened exception error when RP is static. |
| 6 | ECS4620-28T-00193 | VRRP: The VRRP can't selected the correct role when DUT has created another vlan interfaces. |
| 7 | ECS4620-28T-00197 | System: After we run SNMP-Walk to get to DUT; it cause this spanning-tree change continuously and DUT cannot learn any route. |
| 8 | ECS4620-28T-00199 | PIM-SM: The CLI crashed when rp candidate was removed. |
| 9 | ECS4620-28T-00200 | Configure: The DUT will reboot automatically after 10mins when copy TFTP file to running-config more 17 times. |
| 10 | ES4627MB-FLF-CN-00017 | LD: Enable LD and add port to maximum VLAN, console print error message and DUT auto reboot. |
| 11 | ES4627MB-FLF-CN-00027 | PIM6-SM: The DUT happened exception error when RP is static. |
| 12 | ES4627MB-FLF-CN-00034 | Web: 流量的help頁面中的某些參數名稱和設定頁面不同. |
| 13 | ES4627MB-FLF-CN-00037 | WebPage(OSPF): The "No OSPF Process Exist." of wrong message doesn't translate to the simplified character. |
| 14 | ES4627MB-FLF-CN-00038 | WebPage(AAA): The Web page has the extra strings on the AAA Accounting of help page. |
| 15 | ES4627MB-FLF-CN-00041 | WEB-SiteMap: The sitemap and function tree are misatch. |
| 16 | ES4627MB-FLF-CN-00042 | WEB-Mcast: The translation of "disable" in help page mismatch. |
| 17 | ES4627MB-FLF-CN-00043 | WEB-IGMPSNP: The IGMP snooping statistics and help page doesn't match. |
| 18 | ES4627MB-FLF-CN-00044 | WEB-McastRouting: Translation mismatch between WEB and Help page. |
| 19 | ES4627MB-FLF-CN-00045 | DHCP: After we create DHCP pool from CLI/WEB, DUT is halted and print exception. |
| 20 | ES4627MB-FLF-CN-00047 | WEB: We cannot to configure this relay server of mutiple VLANs from WEB. |
| 21 | ES4627MB-FLF-CN-00052 | SNMP: When we create SNMP-group-view with maximum 32 characters from WB, DUT show exception. |

**Runtime V1.1.1.10**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00134 | BGP: The DUT will crash when learn over 250000 of routing entries. |
| 2 | ES4627MB-FLF-CN-00041 | WEB-SiteMap: The sitemap and function tree are misatch. |

**Runtime V1.1.1.11**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00207 | System: When we run SNMP-Walk to get to DUT, CLI show exception and rebooting. |
| 2 | ES4627MB-FLF-CN-00053 | CFM: We cannot create MA in one MD with domain-name over 42 characters. |

**Runtime V1.1.1.12**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00031 | PIM-DM: After this OSPF route is changed, DUT does not forward multicast group to host. |
| 2 | ECS4620-28T-00134 | BGP: The DUT will crash when learn over 250000 of routing entries. |
| 3 | ECS4620-28T-00171 | PIM-DM: This multicast data forwarding is unstably between PIM routers. |
| 4 | ECS4620-28T-00207 | System: When we run SNMP-Walk to get to DUT, CLI show exception and rebooting. |
| 5 | ECS4620-28T-00212 | VRRP: The DUT will auto reboot after 10 min when show vrrp or running-config. |

**Runtime V1.2.1.0**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00206 | [enhance] support h/w stacking on L3 project |

**Runtime V1.2.1.1**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00055 | MLDv2: Can't learning group information after group leave. |
| 2 | ECS4620-28T-00147 | PIM-SM6: When we enable MLD Snooping, DUT cannot forward multicast data. |
| 3 | ECS4620-28T-00166 | VRRP: User can't create the VRRP group by SNMP management. |
| 4 | ECS4620-28T-00182 | IGMP\_SNP: Multicast data flooding when group number over multicast forwarding table size. |
| 5 | ECS4620-28T-00204 | PIM-SM: The DUT can not forward all multicast data to joined ports in multiple tagged VLAN condition. |
| 6 | ECS4620-28T-00208 | System: PIM-SM RP router cannot forward multicast data to downstream. |
| 7 | ECS4620-28T-00209 | PIM-SM\_RSTP: Multicast data is forwarded to registered intermittently. |
| 8 | ECS4620-28T-00214 | LBD: white box unit test code |
| 9 | ECS4620-28T-00215 | LLDP: white box unit test code |

**Runtime V1.2.1.2**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00088 | ip/ipv6 multicast-data-drop does not take effect on trunk port |
| 2 | ECS4620-28T-00135 | PIM-SM6: This RP router cannot forward multicast data to itself downstream. |
| 3 | ECS4620-28T-00139 | OSPFv3: Can't redistribute static route. |
| 4 | ECS4620-28T-00144 | PIM-SM6: When the port enabled lacp, the DUT happens exception error. |
| 5 | ECS4620-28T-00181 | RADIUS Acct: The radius server will reject the special ip address. |
| 6 | ECS4620-28T-00190 | OSPF: The route can't learning properly via virtual link. |
| 7 | ECS4620-28T-00202 | OSPF-MIB: We can't access several MIB tables. |
| 8 | ECS4620-28T-00206 | [enhance] support h/w stacking on L3 project |
| 9 | ECS4620-28T-00210 | CLI: Enter "show ipv6 route", CLI will print all entries without auto pause. |
| 10 | ECS4620-28T-00217 | [WEB] sta config page error |
| 11 | ECS4620-28T-00218 | Update the web help page (V1.1.1.1\_20140304) |

**Runtime V1.2.1.3**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00144 | PIM-SM6: When the port enabled lacp, the DUT happens exception error. |
| 2 | ECS4620-28T-00184 | System: After we change spanning-tree topology, DUT cannot re-learn all OSPF routes. |
| 3 | ECS4620-28T-00185 | System: After we change this OSPF route under data forwarding, DUT cannot re-learn route from its neighbor. |
| 4 | ECS4620-28T-00188 | System: After we change this spanning-tree topology under data forwarding, DUT cannot re-learn BGP route from its neighbor. |
| 5 | ECS4620-28T-00189 | System: After we change BGP routing topology, DUT cannot re-learn BGP route from its neighbor. |
| 6 | ECS4620-28T-00192 | System: After we inject 10K routing traffic over 2 hours, all DUTs cannot re-learn any routing entry. |
| 7 | ECS4620-28T-00194 | RIP: The web page will show the empty of interface information when has build up the RIP topology. |
| 8 | ECS4620-28T-00197 | System: After we run SNMP-Walk to get to DUT; it cause this spanning-tree change continuously and DUT cannot learn any route. |
| 9 | ECS4620-28T-00216 | VRRP: The VRRP can't selected the correct role when DUT has created another vlan interfaces. |
| 10 | ECS4620-28T-00219 | [IPv6 OSPF/IPv6 PIM]To support cpu rate limit on IPV6 OSPF and IPV6 PIM |
| 11 | ECS4620-28T-00220 | IGMP: igmp pkt shall be mirrored to cpu, not trap to cpu. |

**Runtime V1.2.1.4**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00110 | IPv6: DUT can't add link-local address to the neighbor cache . |
| 2 | ECS4620-28T-00114 | BGP: Show the information of ip bgp neighbor that doesn't align when the as number of neighbor is 4294967295. |
| 3 | ECS4620-28T-00201 | PIM-SM6: After we change this spanning-tree priority; DUT learn incorrect OSPF route and stop to forward multicast data. |
| 4 | ECS4620-28T-00203 | OSPF crash after ospf area range command |
| 5 | ECS4620-28T-00211 | OSPFv3: Continuous display ipv6 route, CLI dump error message and auto reboot. |
| 6 | ECS4620-28T-00228 | Phenomenon:Switch CPU utlization 100% and web fails after OPENSSL vulnerability test. |
| 7 | ECS4620-28T-00229 | Show running-config error after change username access-level |
| 8 | ECS4620-28T-00231 | Update the web help page (1.2.1.3\_20140430) |
| 9 | ES4627MB-FLF-CN-00068 | PIM-DM6: After we disconnect one link of Trunk, DUT cannot re-forward multicast data to downstream through this Trunk. |
| 10 | ES4627MB-FLF-CN-00069 | PIM-DM6: When we inject multicast data to DUT, it cannot forward data to register port member. |
| 11 | ES4627MB-FLF-CN-00074 | BGP: The BGP link status will not change to Established status |
| 12 | ES4627MB-FLF-CN-00076 | [enhance] customization for PGM from ECS4620 phase2 |

**Runtime V1.2.1.5**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00144 | PIM-SM6: When the port enabled lacp, the DUT happens exception error. |
| 2 | ECS4620-28T-00224 | VRRP: The ping will request timed out when different VLAN interface can set the same as Group ID of VRRP. |
| 3 | ECS4620-28T-00231 | Update the web help page (1.2.1.3\_20140430) |
| 4 | ES4627MB-FLF-CN-00034 | Web: 流量的help頁面中的某些參數名稱和設定頁面不同. |
| 5 | ES4627MB-FLF-CN-00065 | PIMDM6: When we enable PIM-DM6 with OSPFV3 on stacking switch, it cannot forward multicast data to host. |
| 6 | ES4627MB-FLF-CN-00066 | Stacking\_PIMSM: The DUT will forward double multicast data to registered port. |
| 7 | ES4627MB-FLF-CN-00070 | VRRP: The ping will request timed out when different VLAN interface can set the same as Group ID of VRRP. |
| 8 | ES4627MB-FLF-CN-00071 | Stacking\_IGMP: The DUT will forward double multicast data to registered port. |

**Runtime V1.2.1.6**

|  |  |  |
| --- | --- | --- |
|  | EPR | Headline |
| 1 | ECS4620-28T-00110 | IPv6: DUT can't add link-local address to the neighbor cache .(Code already in V1.2.1.4) |
| 2 | ECS4620-28T-00235 | OSPFv3: Device crash after display running configuration. |
| 3 | ECS4620-28T-00236 | userauth get running may cause system excetpion hpaaened |
| 4 | ES4627MB-FLF-CN-00079 | OSPFv3: Device crash after display running configuration. |
| 5 | ES4627MB-FLF-CN-00080 | SNMP: The DUT will dump exception message when set the SNMP host and username then save the configure. |
| 6 | ES4627MB-FLF-CN-00081 | Stacking: The DUT will dump error message when copy start-up to running continue. |

**Runtime V1.2.1.8**

|  |  |  |
| --- | --- | --- |
|  | EPR | Headline |
| 1 | ECS4620-28T-00233 | Enhancement Per process cpu usage monitoring |
| 2 | ECS4620-28T-00237 | userauth get running may cause system excetpion hpaaened (sync to phase2) |
| 3 | ECS4620-28T-00227 | [web] Administration > CFM > Show Information (Show Link Trace Cache) page => Please change "IP/Alias Address" to "IP Address |
| 4 | ECS4620-28T-00226 | [web] "show bridge-ext" removed GMRP, but System > Capability page still shows this item. |
| 5 | ECS4620-28T-00225 | [web] System > Switch page => temperature list shows no sensors on this page, but "show system" command shows them. |
| 6 | ECS4620-28T-00232 | [enhance] support ECS4620-28T-DC and ECS4620-28F-DC |
| 7 | ES4627MB-FLF-CN-00078 | [enhance] Update the web help page (1.2.1.3\_20140430). ES4200-PGM part |
| 8 | ES4627MB-FLF-CN-00073 | Stacking: Copy the running-conig to startup-config that will pop error message. |
| 9 | ES4627MB-FLF-CN-00050 | WEB: The maximum length of DHCP pool-name is incorrect on Help page. |
| 10 | ES4627MB-FLF-CN-00049 | WEB: The DHCP Snooping VLAN-ID range is incorrect on Help page. |
| 11 | ES4627MB-FLF-CN-00046 | WEB: The maximum length of DNS domain-name is incorrect on Help page. |
| 12 | ES4627MB-FLF-CN-00056 | WEB: The maximum length of RMON history/statistic/even owner is incorrect on Help page. |
| 13 | ES4627MB-FLF-CN-00055 | WEB: The maximum length of SNMP-group-view is incorrect on Help page. |
| 14 | ES4627MB-FLF-CN-00054 | WEB: The maximum length of SNMP View-name is incorrect on Help page. |
| 15 | ES4627MB-FLF-CN-00035 | Web: IP的 help 頁面中的某些參數名稱和設定頁面不同 |
| 16 | ES4627MB-FLF-CN-00067 | Stacking: The DUT will show fail message when renumber the stacking ID. |
| 17 | ES4627MB-FLF-CN-00081 | Stacking: The DUT will dump error message when copy start-up to running continue. |
| 18 | ES4627MB-FLF-CN-00064 | Stacking: After overnight streaming, stacking TCN continuously. |
| 19 | ES4627MB-FLF-CN-00051 | WEB: After we configure this PPPoE EIA and erro-message to maximum length, WEB cannot display correct information. |
| 20 | ES4627MB-FLF-CN-00082 | Stacking: The DUT does not reassign the stacking ID when execute the switch all renumber. |

**Runtime V1.2.1.9**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00232 | [enhance] support ECS4620-28T-DC and ECS4620-28F-DC |
| 2 | ECS4620-28T-00234 | Enhancement : change bootrom password(Only core layer. UI is disabled) |
| 3 | ECS4620-28T-00238 | Stacking: The DUT will dump error message and automatically reboot after 10 mins when copy startup to running. |
| 4 | ECS4620-28T-00239 | Stacking: The DUT does not reassign the stacking ID when execute the switch all renumber. |
| 5 | ECS4620-28T-00242 | System: After we reload this stacking switch; it return error and all unicast data always is flooded. |
| 6 | ECS4620-28T-00243 | System: After we change spanning-tree topology, this unicast data always is flooded. |
| 7 | ES4627MB-FLF-CN-00051 | WEB: After we configure this PPPoE EIA and erro-message to maximum length, WEB cannot display correct information. |
| 8 | ES4627MB-FLF-CN-00064 | Stacking: After overnight streaming, stacking TCN continuously. |
| 9 | ES4627MB-FLF-CN-00081 | Stacking: The DUT will dump error message when copy start-up to running continue. |
| 10 | ES4627MB-FLF-CN-00082 | Stacking: The DUT does not reassign the stacking ID when execute the switch all renumber. |

**Runtime V1.2.1.10**

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| --- | --- | --- |
|  | EPR | Headline |
| 1 | ECS4620-28T-00238 | Stacking: The DUT will dump error message and automatically reboot after 10 mins when copy startup to running. |
| 2 | ECS4620-28T-00240 | System: IGMP host cannot receive any multicast data through stacking switch. |
| 3 | ECS4620-28T-00241 | System: When we run SNMP get to DUT; DUT is halted and rebooting itself. |
| 4 | ECS4620-28T-00244 | [enhance] support ECS4620-28T-DC and ECS4620-28F-DC [ web part ] |
| 5 | ES4627MB-FLF-CN-00083 | Stacking: The DUT will dump exception message when copy startup to running. |
| 6 | ES4627MB-FLF-EC-00661 | 88E1545 quad copper Phy A0 to A1. S/W modification. |
| 7 | ES4627MB-FLF-EC-00662 | USB disk support on ES4627MB |

**Runtime V1.2.1.11**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00238 | Stacking: The DUT will dump error message and automatically reboot after 10 mins when copy startup to running. |

**Runtime V1.2.2.1**

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| --- | --- | --- |
|  | EPR | Headline |
| 1 | ECS4620-28T-00265 | enhance for diag wsextlb |

**Runtime V1.2.2.2, Mini-uboot 0.3.0.0, Loader 0.3.2.1, MFG Runtime 1.6.1.0**

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| --- | --- | --- |
|  | EPR | Headline |
| 1 | ECS4620-28T-00267 | remove enable command for user privilege 0-7 |
| 2 | ECS4620-28T-00274 | ACL: We can't create ICMP ACE via WEB. |
| 3 | ECS4620-28T-00285 | DHCP server of switch will assign IP with the least time request which option51 attach by client 🡪 (Should be in phase3) |

**Runtime V1.2.2.3, Mini-uboot 0.3.0.0, Loader 0.3.2.1, MFG Runtime 1.6.1.0**

|  |  |  |
| --- | --- | --- |
|  | EPR | Headline |
| 1 | ECS4620-28T-00266 | MAC-base VLAN should dynamically add VID to port interfance |
| 2 | ECS4620-28T-00289 | device can't ping to virtual ip when switch config as ip owner |
| 3 | ECS4620-28T-00290 | device can't ping to virtual ip when switch config as owner ip |
| 4 | ECS4620-28T-00293 | switch didn't renew arp entry when receive gratuitous ARP |
| 5 | ECS4620-28T-00296 | software checking port up/down, it will spend more time |
| 6 | ECS4620-28T-00297 | [CLI] Support Layer 2 protocol tunneling for LACP |
| 7 | ECS4620-28T-00299 | [SNMP] Support Layer 2 protocol tunneling for LACP |
| 8 | ECS4620-28T-00303 | MLDv2: Can't change query interval by SNMP. |
| 9 | ECS4620-28T-00305 | RMON: Input snmpset command by net-snmp, the system will shows exception log. |
| 10 | ECS4620-28T-00306 | remove enable command for user privilege 0-7 |
| 11 | ECS4620-28T-00307 | remove spanning tree MSTP mode then switch will hang in boot process |
| 12 | ECS4620-28T-00310 | [enhance] support CPU guard |
| 13 | ECS4620-28T-00311 | [enhance] display total flash size in CLI 'dir' command for EC products. |
| 14 | ECS4620-28T-00312 | VRRP: Cannot ping successfully from PC to VRRP IP. |
| 15 | ES4627MB-0215-LN-00003 | correction to spelling/grammar - show ipv6 mld snooping group source-list |
| 16 | ES4627MB-0215-LN-00004 | IPV6-SG: DUT should support ipv6 source-guard MIB. |
| 17 | ES4627MB-0215-LN-00005 | Password Change problem on ES-4600 series (web page) |
| 18 | ES4627MB-0215-LN-00007 | NetworkAccess: The status network-access of port always shown disabled, even user to enable the port. |
| 19 | ES4627MB-0215-LN-00008 | L2Mgmt: Save the config and reboot, the alarm rising of process CPU will become to default. |
| 20 | ES4627MB-0215-LN-00011 | Customerinfo: Some ES4628F's display issue. |
| 21 | ES4627MB-FLF-EC-00707 | Alarm : DUT can forward packets with SRC is multicast or broadcast |
| 22 | ES4627MB-FLF-EC-00757 | Watchdog reboot system while show get running config |
| 23 | ES4627MB-FLF-EC-00758 | [Stacking] Allow slave unit can enter backdoor |
| 24 | ES4627MB-FLF-EC-00759 | [Stacking] the unit id is duplicated after assign unit id |
| 25 | ES4627MB-FLF-EC-00760 | 1QVLAN: DUT cannot show all maximum VLANs, and it exit CLI session automatically. |
| 26 | ES4627MB-FLF-EC-00762 | [Stacking] DUT will hang at hot insertion phase and cause software watchdog timeout reboot after 10 minutes |
| 27 | ES4627MB-FLF-EC-00766 | [Stacking] FS synchronizing runtime takes long time and watchdog will timeout cause reboot |
| 28 | ES4627MB-FLF-EC-00768 | Traffic segmentation can't split communitcation on downlink port of salve units |
| 29 | ES4627MB-FLF-EC-00771 | When syncing the runtime, open telnet session and call "dir", system will hang and cause sw watchdog timeout. |
| 30 | ES4627MB-FLF-EC-00774 | applying "no lldp med-tlv ext-poe" to slave unit but it's applied to master unit |
| 31 | ES4627MB-FLF-EC-00776 | The display message of traffic-segmentation should not be private vlan. |

**Runtime V1.2.2.4, Mini-uboot 0.3.0.0, Loader 0.3.2.1, MFG Runtime 1.6.1.0**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00312 | VRRP: Cannot ping successfully from PC to VRRP IP.* Fix an exception issue(in linux kernel) while “copy tftp file”.
 |

**Runtime V1.2.2.5, Mini-uboot 0.3.0.0, Loader 0.3.2.1, MFG Runtime 1.6.1.0**

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| --- | --- | --- |
|  | EPR | Headline |
| 1 | ES4627MB-FLF-EC-00739 | [enhance] DHCPSNP get running PMGR to POM.* Fix a hang issue while “show running”.
 |

**Runtime V1.2.2.6, Mini-uboot 0.3.0.0, Loader 0.3.2.1, MFG Runtime 1.6.1.0**

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| --- | --- | --- |
|  | EPR | Headline |
| 1 | ECS4620-28T-00266 | MAC-base VLAN should dynamically add VID to port interfance |
| 2 | ECS4620-28T-00291 | VRRP priority cause routing problem |
| 3 | ECS4620-28T-00300 | VLAN translation on trunk port - CLI and SNMP |
| 4 | ECS4620-28T-00309 | Support options of stacking port selection on ECS4620 phase2 |
| 5 | ECS4620-28T-00313 | RMON: On a web page, can not configure alarm function, The same parameters can be configured in CLi/SNMP. |
| 6 | ECS4620-28T-00324 | enable mac-authentication but still display disabled and not show in running-config |
| 7 | ES4627MB-FLF-EC-00775 | ECS4510 CPU handle 50+ packets if applying jumbo frame |
| 8 | ES4627MB-FLF-EC-00781 | switch does not have DHCP snooping binding table when DHCP client obtian IP address |
| 9 | ES4627MB-FLF-EC-00789 | [enahnce] ECS4510 MIB support egress ACL |

**Runtime V1.2.2.7, Mini-uboot 0.3.0.0, Loader 0.3.2.1, MFG Runtime 1.6.1.0**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00262 | IPv6 ACL support TCP/UDP port No.(CLI) |
| 2 | ECS4620-28T-00263 | IPv6 ACL support TCP/UDP port No.(SNMP) |
| 3 | ECS4620-28T-00266 | MAC-base VLAN should dynamically add VID to port interfance-> 1. add mechanism which creating a static VLAN automatically when a MAC VLAN entry is set and corresponding VLAN does not exist2. only MAC addresses which can be aged out by aging time can trigger auto join |
| 4 | ECS4620-28T-00297 | [CLI] Support Layer 2 protocol tunneling for LACP* Correct the CLI Tree.
 |
| 5 | ECS4620-28T-00306 | remove enable command for user privilege 0-7* Correct the CLI Tree.
 |
| 6 | ECS4620-28T-00310 | [enhance] support CPU guard* Correct the CLI Tree.
 |
| 7 | ECS4620-28T-00318 | auto upgrade version misidentification. |
| 8 | ECS4620-28T-00323 | SNTP: The console wii lose control when type "clock timezone-" + tab key |
| 9 | ECS4620-28T-00326 | When test cable-diag all ports in the same time, will test fail and lose auto-nego |
| 10 | ES4627MB-FLF-EC-00773 | Stacking:The upgrade opcode auto doesn't sync to slave unit. |
| 11 | ES4627MB-FLF-EC-00790 | improve DAI log message display port info problem when stacking |
| 12 | ES4627MB-FLF-EC-00795 | MAC-based VLAN does not add VID dynamically to interface if injecting L2 packets (10 pps) continuously |
| 13 | ES4627MB-FLF-EC-00796 | SNTP: The console wii lose control when type "clock timezone-" + tab key |
| 14 | ES4627MB-FLF-EC-00797 | refine VLAN translation |
| 15 | ES4627MB-FLF-EC-00798 | remove setting of VLAN trasnlation from port-channel if there is no member |

**Runtime V1.2.2.8, Mini-uboot 0.3.0.0, Loader 0.3.2.1, MFG Runtime 1.6.1.0**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00262 | IPv6 ACL support TCP/UDP port No.(CLI)* Check in non-check-in file.
 |

**Runtime V1.2.2.9, Mini-uboot 0.3.0.0, Loader 0.3.2.1, MFG Runtime 1.6.1.0**

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|  | EPR | Headline |
| 1 | ~~ECS4620-28T-00322~~ | ~~MAC-AddrMgmt : DUT can NOT learn the Vlan 4094 MAC and can NOT forward the vlan 4094 packets~~ |
| 2 | ~~ECS4620-28T-00327~~ | ~~Trunk : DUT would crush down when copy running-config startup-config~~ |
| 3 | ~~ECS4620-28T-00328~~ | ~~IPv4-AddrConfig: During configuration interface vlan process, the DUT shows exception message then crash.~~ |
| 4 | ~~ECS4620-28T-00329~~ | ~~IGMP Snooping : DUT would crush down when change the ip address of interface vlan 1~~ |
| 5 | ~~ECS4620-28T-00330~~ | ~~LLDP : DUT would crush down when type "no lldp" command~~ |
| 6 | ~~ES4627MB-FLF-CN-00098~~ | ~~No interface vlan cause exception~~ |
| 7 | ~~ES4627MB-FLF-EC-00681~~ | ~~[Enhancement] send info to local/remote syslog if stacking port goes down~~ |
| 8 | ~~ES4627MB-FLF-EC-00767~~ | ~~Cable-Diag does not work on salve units~~ |

**Runtime V1.2.2.10, Mini-uboot 0.3.0.0, Loader 0.3.2.1, MFG Runtime 1.6.1.0**

|  |  |  |
| --- | --- | --- |
|  | EPR | Headline |
| 1 | ECS4620-28T-00322 | MAC-AddrMgmt : DUT can NOT learn the Vlan 4094 MAC and can NOT forward the vlan 4094 packets |
| 2 | ECS4620-28T-00327 | Trunk : DUT would crush down when copy running-config startup-config |
| 3 | ECS4620-28T-00328 | IPv4-AddrConfig: During configuration interface vlan process, the DUT shows exception message then crash. |
| 4 | ECS4620-28T-00329 | IGMP Snooping : DUT would crush down when change the ip address of interface vlan 1 |
| 5 | ECS4620-28T-00330 | LLDP : DUT would crush down when type "no lldp" command |
| 6 | ES4627MB-FLF-CN-00098 | No interface vlan cause exception |
| 7 | ES4627MB-FLF-EC-00681 | [Enhancement] send info to local/remote syslog if stacking port goes down |
| 8 | ES4627MB-FLF-EC-00767 | Cable-Diag does not work on salve units |

**Runtime V1.2.2.11, Mini-uboot 0.3.0.0, Loader 0.3.2.1, MFG Runtime 1.6.1.0**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00320 | SFTP (CLI and SNMP) (Sync to branch) |
| 2 | ECS4620-28T-00325 | [enhance] DHCP server support DHCP option 43 |
| 3 | ECS4620-28T-00337ES4627MB-FLF-EC-00809 | DHCPSNP didn't trap to CPU when master role change |
| 4 | ~~ES4627MB-FLF-EC-00785~~ | ~~SNMP: remove configuration is not correctly ,will cause DUT configuration different from factory default~~~~(Not fixed yet)~~ |
| 5 | ~~ES4627MB-FLF-EC-00786~~ | ~~Snmp: The value of Snmp engine boots can NOT return to "1"~~~~(not Fixed yet)~~ |
| 6 | ES4627MB-FLF-EC-00814 | mac-base VLAN : auto-join mechanism should not work on access mode. |
| 7 | ES4627MB-FLF-EC-00815 | mac-base VLAN : display warning message if user would like to change hybrid mode to access mode |

**Runtime V1.2.2.13, Mini-uboot 0.3.0.0, Loader 0.3.2.1, MFG Runtime 1.6.1.0**

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|  | EPR | Headline |
| 1 | ECS4620-28T-00349 | 1QVLAN: After we change VLAN status from suspend to active; DUT return error and drop all packets. |
| 2 | ECS4620-28T-00351 | [Enhancement] DHCP server support option 43-> bug fix |
| 3 | ES4627MB-FLF-EC-00799 | switch will not learn the vlan by GVRP when add/remove vlan member on port |
| 4 | ES4627MB-FLF-EC-00821 | vlan-translation didn't work with DHCPSNP |

**Runtime V1.2.2.15, Mini-uboot 0.3.0.0, Loader 0.3.2.1, MFG Runtime 1.6.1.0**

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| --- | --- | --- |
|  | EPR | Headline |
| 1 | ECS4620-28T-00368 | FQDN for SNTP |
| 2 | ES4627MB-FLF-EC-00828 | DHCPSNP option82 "no-vlan-field" didn't work on slave unit |
| 3 | ES4627MB-FLF-EC-00829 | vlan-translation didn't work when master role change |

**Runtime V1.2.2.16, Mini-uboot 0.3.0.0, Loader 0.3.2.1, MFG Runtime 1.6.1.0**

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|  | EPR | Headline |
| ~~1~~ | ~~ECS4620-28T-00357~~ | ~~high cpu utilization and low throughput because of ip default GW with ECMP feature(does not fix in this version)~~ |

**Runtime V1.2.2.17, Mini-uboot 0.3.0.0, Loader 0.3.2.1, MFG Runtime 1.6.1.0**

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| --- | --- | --- |
|  | EPR | Headline |
| 1 | ECS4620-28T-00357 | high cpu utilization and low throughput because of ip default GW with ECMP feature |

**Runtime V1.2.2.18, Mini-uboot 0.3.0.0, Loader 0.3.2.1, MFG Runtime 1.6.1.0**

|  |  |  |
| --- | --- | --- |
|  | EPR | Headline |
| 1 | ECS4210-52P-00877 | Failed to set MAC-based VLAN because of 4K VLAN? |
| 2 | ECS4620-28T-00332 | VLAN 1 cannot be removed, it will appear again after save configure and reboot. |
| 3 | ECS4620-28T-00343 | DHCPServer: The host IP shall be display on "Active Pool". |
| 4 | ECS4620-28T-00350 | IPv6-AddrConfig: IPv6 address got from RA shows "INVALID" |
| 5 | ECS4620-28T-00373 | ERPS part of config is missing when master reboot |
| 6 | ECS4620-28T-00382 | 802.1x: The Radius host will disappear when sets the key value of radius host is maximum number after save/reboot the DUT. |
| 7 | ECS4620-28T-00384 | EX35XX00204221 - Switch sometime auto reboot after configure dot1x. |
| 8 | ECS4620-28T-00394 | XSTP: sync bug fixes from main to branch |
| 9 | ES4627MB-FLF-EC-00785 | SNMP: remove configuration is not correctly ,will cause DUT configuration different from factory default |
| 10 | ES4627MB-FLF-EC-00786 | Snmp: The value of Snmp engine boots can NOT return to "1" |
| 11 | ES4627MB-FLF-EC-00847 | QinQ Priority Map Feature |

**modifications:**

**Loader V0.0.1.2**

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

**Runtime V0.0.0.1**

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

**Runtime V1.1.0.0**

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| --- | --- |
|  | [enhance] set SYS\_ADPT\_MAX\_FILE\_SIZE to 18MB from 15MBUser can not upgrade to V1.1.0.0 runtime from old runtime directly. User MUST use a jump runtime (113.7.2.1) to upgrade to V1.1.0.0. |

**Runtime V1.1.1.2**

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| --- | --- |
|  | ES3528MV2-FLF-EC-00502 VLAN: PVID can be set on VLAN which a port does not join; a new command can set VLAN membership directly without add/remove. |

**Runtime V1.1.1.3**

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| 1 | ES4627MB-FLF-EC-00533 [enhance] support MSTP instances to 65 (64 MSTI + 1 CIST) |
| 2 | ES4627MB-FLF-EC-00574 [Enhance] RSTP support TCN propogation group |
| 3 | ES4627MB-FLF-EC-00575 [Enhance] UDLD support configurable recover timer and detection timer |
| 4 | ES4627MB-FLF-EC-00583 Enhancement: CPU protection to prevent management loss by heavy traffic attack |
| 5 | ECS3510-28T-00381 Enhancement Per process cpu usage monitoring |

**Runtime V1.1.1.6**

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| 1 | ECS4620-28T-00198 [enhance] dynamic enable/disable PCL |

**Runtime V1.1.1.7**

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| --- | --- |
| 1 | ECS4620-28T-00195 [enhance] support OSPF area authentication |
| 2 | ECS4620-28T-00196 [enhance] support BGP Neighbor Authentication |

**Runtime V1.2.1.0**

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| 1 | ECS4620-28T-00206 [enhance] support h/w stacking on L3 project |

**Runtime V1.2.1.8**

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| --- | --- |
| 1 | ECS4620-28T-00232 [enhance] support ECS4620-28T-DC and ECS4620-28F-DC |

**Runtime V1.2.1.9**

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| --- | --- |
| 1 | ECS4620-28T-00234 Enhancement : change bootrom password.🡪 This feature is only provide to specific customer. |

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

**Known Bugs and Issues:**

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

**Known RESTRICITIONS AND Limitations:**

|  |  |
| --- | --- |
| 1 | For 52T, chip limitation: Half duplex ports can not use backpressure when using Cross Chip Flow Control.(Can reference the attached file "CCFC for edgecore.pdf" in EPR: ES4627MB-FLF-EC-00256.) |
| 2 | Chip limitation. 10G port (Phy 98X22251) on 1G mode, does not support Auto-negotiation. |
| 3 | FDB hash lookup depth to 4 has MAC collision issue(MAC collisions cause continuous high CPU loading) but without Fully Mesh Test(RFC2544) issue. |
| 4 | FDB hash lookup depth to 32 has not MAC collision issue at customer environment(customer is ROMSAT)(Ectually, MAC collision still exist), but has Fully Mesh Test(RFC2544) issue which packet loss in 128 Bytes or 64 Bytes packet length. Packet loss rate is 36.7% in 128 Byte and 64.1% in 64 Byte. From the Marvell's datasheet, it is the chip limitation.(\*1)(\*1)The Bobcat datasheet has some description on this. |
| 5 | There is a issue which packet loss with 64byte size packet in full loading test. It is a chip limitation. |

**Compliance support:**

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

Known Anomalies: None.

**IEEE Standards Support:**

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

**IETF Standards MIB Support:**

|  |  |  |
| --- | --- | --- |
| **RFC No.** | Title | **Groups Supported** |
| 1907 | SNMPv2-MIB (MIB II) | - system group ( 1-9)- snmp group (1-6, 8-22, 24-32) |
| 2011 | IP-MIB (MIB-II) | - ip group (1-20, 22-23)- icmp group (1-26) |
| 2012 | TCP-MIB (MIB-II) | - tcp group (1-15)(tcpConnTable only support read.) |
| 2013 | UDP-MIB (MIB-II) | - udp group (1-5) |
| IEEE802.1X MIB | IEEE8021-PAE-MIB | - dot1xPaeSystem (1-2)- dot1xPaeAuthenticator (1-3)(not support per-port timer setting) |
| 1493 | Bridge MIB | - dot1dBase group (1-4)- dot1dStp group (1-15)- dot1dTp group (1-4)- dot1dStatic group (1) |
| 2863 | Interfaces Evolution MIB (IF-MIB) | - interface group (1-2) (ifadminStatus not support set to 3(testing))- ifXTable group (1)- ifStackTable group (1)(support read-only) |
| 2819 |  RMON MIB | - statistics group (1)- history group (1-2)- alarm group (1)- event group (1-2) |
| 2618 | RADIUS MIB | - radiusAuthClientMIB (1) |
| 2665 | Etherlike MIB | - dot3StatsTable group (1-19) |
| 2737 | Entity MIB | * entityPhysical group (1-16)

(support read-only) |
| 2674 | P-bridge | - dot1dExtBase group (1-4)- dot1dPriority group (1,3) - dot1dGarp group (1) |
| 2674 | Q-bridge | - dot1qBase group (1-5)- dot1qTp group (1-2)- dot1qStatic group(1)- dot1qVlan (1-5) (9-10) |
| V-Bridge MIB | V-Bridge MIB | - dot1vProtocol group |
| 3636 | MAU MIB | * dot3IfMauBasicGroup
* dot3IfMauAutoNegGroup
 |

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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
 |

**ES4626F-SW/ES4650F-SW Private Enterprise MIB Support:**

|  |  |
| --- | --- |
| **Title** | Version |
| ECS4510-Series.mib | 201202150000Z |

**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:**

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