Fast Ethernet Switch ES4627MB-FLF-EC

***Phase 1 Firmware Version 1.3.2.0***

**INTRODUCTION:**

The ES4627MB is a 26/50-port 10/100/1000 L2 Gigabit Ethernet Switch.

Local Console Management (LCM) allows the user to monitor and configure the ES4626F-SW/ES4650F-SW 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** |
| Testing Version | 0.0.0.7 | Init  CC: EC\_VOB main(2012/2/20 3:00PM) | 2012/2/20 |
| Testing Version | 0.0.0.8 | Init  CC: EC\_VOB main(2012/2/22 2:00PM) | 2012/2/22 |
| RD Version | 0.0.0.9 | CC: EC\_VOB main(2012/3/1 10:00AM) | 2012/3/1 |
| RD Version | 0.0.1.0 | CC: EC\_VOB main(2012/3/6 10:00AM) | 2012/3/6 |
| PR Version | 0.0.1.1 | 0.0.1.0+fs.c/14 | 2012/3/7 |
| NTC Version | 0.0.1.2 | CC: EC\_VOB main(2012/3/9 1:30PM) | 2012/3/9 |
| RD Test Version | 1.1.0.1 | CC: EC\_VOB main(2012/3/21 1:30PM) | 2012/3/21 |
| NTC Test Version | 1.1.1.0 | CC: EC\_VOB main(2012/3/30 10:00AM) | 2012/3/30 |
| Phase1.0 Release Version | 1.1.2.0 | All the same as 1.1.1.0 except version number | 2012/4/10 |
| Phase2.0 RD Test Version | 1.2.1.0 | CC: EC\_VOB main(2012/5/2 10:00AM) | 2012/5/2 |
| Phase2.0 RD Test Version | 1.2.1.1 | CC: EC\_VOB main(2012/5/21 10:00AM) | 2012/5/21 |
| Phase2.0 RD Test Version | 1.2.1.2 | All the same as 1.2.1.1 except fix a PoE issue | 2012/5/22 |
| Phase2.0 TS Test Version | 1.2.1.4 | CC: EC\_VOB main(2012/7/5 10:00AM) | 2012/7/5 |
| Phase2.0 TS Test Version | 1.2.1.6 | CC: EC\_VOB main(2012/7/31 10:00AM) | 2012/7/31 |
| Phase2.0 TS Test Version | 1.2.1.7 | CC: EC\_VOB ES4626F-SW-FLF-38\_ES4627MB\_V1.2.1.5\_Ph2\_profile (2012/8/9 1:30PM) | 2012/8/9 |
| Phase2.0 Pilot Run Version | 1.2.2.0 | All the same as 1.2.1.7 except Version number modification | 2012/8/13 |
| Phase3.0 RD Test Version | 1.3.1.0 | CC: EC\_VOB main(2012/8/15 10:00AM) | 2012/8/15 |
| Phase3.0 RD Test Version(Sample Run)(Cancel) | 1.3.1.1 | CC: EC\_VOB main(2012/8/30 5:00PM) | 2012/8/30 |
| Phase3.0 RD Test Version(Sample Run) | 1.3.1.2 | All the same as 1.3.1.1 and fix diag issue (ES4627MB-FLF-EC-00227) | 2012/9/4 |
| Phase3.0 RD Test Version | 1.3.1.3 | CC: EC\_VOB main(2012/9/20 3:00PM) | 2012/9/20 |
| Phase3.0 RD Test Version | 1.3.1.4 | CC: EC\_VOB main(2012/10/3 10:00AM) | 2012/10/3 |
| Phase3.0 NTC test Version | 1.3.1.5 | All the same as 1.3.1.4 and fix ip issues (ES4627MB-FLF-EC-00250) | 2012/10/5 |
| Phase3.0 RD Test Version | 1.3.1.6 | CC: EC\_VOB main(2012/11/5 10:00AM) | 2012/11/5 |
| Phase3.0 NTC test Version | 1.3.1.7 | CC: EC\_VOB main(2012/11/?? 10:00AM) | 2012/11/23 |
| Phase3.0 NTC Test Version | 1.3.1.8 | CC: EC\_VOB main(2012/12/21 2:30 PM) | 2012/12/21 |
| Phase3.0 NTC Test Version | 1.3.2.0 | CC: EC\_VOB main(2012/12/26 4:30 PM) | 2012/12/27 |

**LOADER:**

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| **Status** | **Version No.** | **Type** | **Release Date** |
| Testing Version | 0.0.0.4 | Init  CC: EC\_VOB main(2012/2/20 3:00PM) | 2012/2/20 |
| Testing Version | 0.0.0.5 | Init  CC: EC\_VOB main(2012/2/22 2:00PM) | 2012/2/22 |
| Testing Version | 0.0.0.6 | Init  CC: EC\_VOB main(2012/3/1 10:00AM) | 2012/3/1 |
| Testing Version | 0.0.0.7 | CC: EC\_VOB main(2012/3/6 10:00AM) | 2012/3/6 |
| Testing Version | 0.0.0.8 | 0.0.0.7+ES4627MB-FLF-EC-00067 | 2012/3/7 |
| Testing Version | 0.0.0.9 | CC: EC\_VOB main(2012/7/5 10:00AM) | 2012/7/5 |
| Testing Version | 0.0.0.10 | CC: EC\_VOB main(2012/7/31 10:00AM) | 2012/7/31 |
| Testing Version | 0.0.1.0 | CC: EC\_VOB main(2012/9/20 3:00PM) | 2012/9/20 |
| Test Version | 0.0.1.1 | CC: EC\_VOB main(2012/9/25 10:30AM) | 2012/9/25 |
| Test Version | 0.0.1.2 | CC: EC\_VOB main(2012/10/26 10:30AM) | 2012/10/26 |

**MINI LOADER:**

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| **Status** | **Version No.** | **Type** | **Release Date** |
| Testing Version | 0.0.0.1 | CC: EC\_VOB main(2012/9/20 3:00PM) | 2012/9/20 |

**MFG Runtime:**

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| **Status** | **Version No.** | **Type** | **Release Date** |
| Testing Version | 0.0.1.1 | Init  Code base is the same as Runtime V0.0.1.1 | 2012/3/7 |
| Testing Version | 1.2.1.6 | CC: EC\_VOB main(2012/7/31 10:00AM) | 2012/7/31 |

**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 ES4627MB-FLF-EC\_Phase3\_FeatureList\_20121119.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 V0.0.0.7**

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| --- | --- | --- |
| 1 | ES4627MB-FLF-EC-00067 | Headline: Incorrect memory tags settings in uboot |

**Loader V0.0.0.8**

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| --- | --- | --- |
| 1 | ES4627MB-FLF-EC-00030 | Reload:DUT will display similar exception and hang on when reboot and transmit tag or untag packets continuously. |

**Loader V0.0.0.9**

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| 1 | ES4627MB-FLF-EC-00154 | To Support new board - ECS4510-28F |

**Loader V0.0.0.10**

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| --- | --- | --- |
| 1 | ES4627MB-FLF-EC-00162 | Support 10G port led display on board id 2,3,4 |
| 2 | ES4627MB-FLF-EC-00181 | ECS4510-28F port leds with mixed color (Green + Amber) |

**Loader V0.0.1.0**

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| 1 | ES4627MB-FLF-EC-00249 | sometimes uboot can not be boot up |

**Loader V0.0.1.1**

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| 1 | ES4627MB-FLF-EC-00252 | [Loader] Add a backdoor function in formal uboot to write mini uboot with RS-ECC OOB data |

**Loader V0.0.1.2**

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| --- | --- | --- |
| 1 | ES4627MB-FLF-EC-00283 | [28F] Combo port(Copper) can not link up while port 23(Copper) loopback to port 24(Copper). [Phy is A1 version] |

**Mini Loader V0.0.0.1**

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| --- | --- | --- |
| 1 | ES4627MB-FLF-EC-00249 | sometimes uboot can not be boot up |

**MFG Runtime V0.0.1.1**

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| --- | --- | --- |
| 1 | Init | Init |

**MFG Runtime V1.2.1.6**

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| 1 | ES4627MB-FLF-EC-00158 | [Diag] change default post mode from normal to fast |

**Runtime V0.0.0.7**

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| --- | --- | --- |
| 1 | None | None |

**Runtime V0.0.0.8**

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| --- | --- | --- |
| 1 | None | None |

**Runtime V0.0.0.9**

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| --- | --- | --- |
| 1 | ES4627MB-FLF-EC-00016 | Build MFG Runtime and UBIFS init script |
| 2 | ES4627MB-FLF-EC-00043 | restore the max number of ace and l4 group common stack size |

**Runtime V0.0.1.0**

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| --- | --- | --- |
| 1 | ES4627MB-FLF-EC-00004 | diag modification |
| 2 | ES4627MB-FLF-EC-00019 | [FS] Some bugs in fs.c |
| 3 | ES4627MB-FLF-EC-00020 | [Loader] loader might freeze after doing UBIFS recovery operation |
| 4 | ES4627MB-FLF-EC-00021 | [FS] CLI will display debug message while delete a file. |
| 5 | ES4627MB-FLF-EC-00025 | CLI:Command "reload" will cause DUT hang up. |
| 6 | ES4627MB-FLF-EC-00030 | Reload:DUT will display similar exception and hang on when reboot and transmit tag or untag packets continuously. |
| 7 | ES4627MB-FLF-EC-00034 | MVR6:Object Label = mvr6ProfileAction (Object ID = 1.3.6.1.4.1.259.10.1.24.1.1.66.4.1.3) description is not correct. |
| 8 | ES4627MB-FLF-EC-00043 | restore the max number of ace and l4 group common stack size |
| 9 | ES4627MB-FLF-EC-00044 | ACL: Hardware Counter hit number can't be show on CLI and always be 0 on Web. (Both are incorrect.) |
| 10 | ES4627MB-FLF-EC-00048 | [leddrv] support 10g port led display on ECS4510-28T/28P |
| 11 | ES4627MB-FLF-EC-00058 | LLDP-MED: The DUT could not show the Network Policy information of remote device completely on CLI. |
| 12 | ES4627MB-FLF-EC-00061 | [Diag] support burn-in mode. |

**Runtime V0.0.1.1**

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| 1 | ES4627MB-FLF-EC-00030 | Reload:DUT will display similar exception and hang on when reboot and transmit tag or untag packets continuously. |

**Runtime V0.0.1.2**

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| 1 | ES4627MB-FLF-EC-00027 | Web: IP extended ACL rule with range SIP (1.1.1.1 2.2.2.2) to make SIP=0.0.0.0, web will show any/"SIP bit mask". |
| 2 | ES4627MB-FLF-EC-00066 | LLDP-MED: The attributes of LLDP-MED TLVs did not inherit while a port joined to a null trunk. |
| 3 | ES4627MB-FLF-EC-00068 | driver\_proc exception occurs occasionally in the middle of booting runtime |

**Runtime V1.1.0.1**

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| 1 | ES4627MB-FLF-EC-00022 | It will display exception and hang on when starting remote loopback. |
| 2 | ES4627MB-FLF-EC-00026 | RMON2: Could not get IP addresses completely on netConfigTable object via SNMP. |
| 3 | ES4627MB-FLF-EC-00033 | LLDP: The DUT did not display local device information of LLDP on Web UI. |
| 4 | ES4627MB-FLF-EC-00035 | IP Subnet : If you Configure WEB UI, it will casue the DUT hang on |
| 5 | ES4627MB-FLF-EC-00038 | IP SourceGuard:It will display exception and hang on when enable SIP or SIP-MAC per port |
| 6 | ES4627MB-FLF-EC-00039 | MAC Mirror : It will hang on when configure the MAC Mirror function by CLI & WEB UI |
| 7 | ES4627MB-FLF-EC-00040 | VLAN MAC Based : DUT will hang on when configure the VLAN MAC Based by CLI & WEB UI |
| 8 | ES4627MB-FLF-EC-00041 | NetworkNotice:DUT didn't send coldstart or warmstart trap when using syslog trap or snmp trap |
| 9 | ES4627MB-FLF-EC-00045 | ACL: There is no command for clearing Hardware Counter on CLI and no button for clearing Hardware Counter on Web UI. |
| 10 | ES4627MB-FLF-EC-00046 | ERPS:DUT will display exception and hang up when enable erps domain. |
| 11 | ES4627MB-FLF-EC-00048 | [leddrv] support 10g port led display on ECS4510-28T/28P |
| 12 | ES4627MB-FLF-EC-00053 | ARP:The arp entry will not exist quickly when send 1100(increment mac) arp request per second |
| 13 | ES4627MB-FLF-EC-00054 | CLI: Description for Storm value is not match to the port configuration status. |
| 14 | ES4627MB-FLF-EC-00055 | LLDP-MED: The DUT did not display LLDP-MED TLVs of Remote Device on Web UI. |
| 15 | ES4627MB-FLF-EC-00060 | SNMP:Use eliteviewer "walk" the mib tree, DUT will display error message and user can't connect mib browser anymore. |
| 16 | ES4627MB-FLF-EC-00064 | DUT Hang up: DUT hangs up and show exception message when running the performance testing. |
| 17 | ES4627MB-FLF-EC-00065 | DHCPRelayOption82:On web,we can not set "DHCP Relay Server". |
| 18 | ES4627MB-FLF-EC-00068 | driver\_proc exception occurs occasionally in the middle of booting runtime |
| 19 | ES4627MB-FLF-EC-00069 | [Diag] wsextlb with speed 10000 would fail (fail to change speed) |
| 20 | ES4627MB-FLF-EC-00070 | [enhance] change the default port type of port 27, 28 to 10GBASE SFP+ |
| 21 | ES4627MB-FLF-EC-00071 | Media Type data has been dropped from Web Interface > Trunk > Dynamic (Configure Trunk - Show) |
| 22 | ES4627MB-FLF-EC-00072 | protocol vlan priority in web but not cli |
| 23 | ES4627MB-FLF-EC-00074 | wsextlb 100M fail when doing wsextlb loop and extlb test |
| 24 | ES4627MB-FLF-EC-00076 | The POST Result in "show system" got non-expection words, "S123456R0A". |
| 25 | ES4627MB-FLF-EC-00077 | core\_util\_proc gets exception when flush uc syslog to flash |
| 26 | ES4627MB-FLF-EC-00081 | IPv6-HTTP:Client can't use HTTPS with IPv6 address by Firefox to connect to the device. |
| 27 | ES4627MB-FLF-EC-00082 | IPv6-HTTP:Use ipv6 address by http to login web then use ipv6 address by https to login web,DUT display exception and hang up |
| 28 | ES4627MB-FLF-EC-00084 | [enhance] use enhancement backdoor password |
| 29 | ES4627MB-FLF-EC-00091 | SNMP: sFlow port interface related parameters can't be setted successfully via MIB browser. |

**Runtime V1.1.1.0**

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| 1 | ES4627MB-FLF-EC-00023 | HTTP&SSL:They should not be enabled at the same time. |
| 2 | ES4627MB-FLF-EC-00028 | ACL: MAC ACL rule ethertype with value less than 600 (ex. 599, 500) can be setted but can't work fine. |
| 3 | ES4627MB-FLF-EC-00031 | Telnet : Help page Silent Time Default information need to modify |
| 4 | ES4627MB-FLF-EC-00036 | LLDP-MED: The DUT supported MED-location of LLDP on CLI but did not support this feature on Web UI. |
| 5 | ES4627MB-FLF-EC-00037 | MVR6:Help page description is not correct.MVR6 robustness default value shall be 2 and profile range shall be 1-21 character |
| 6 | ES4627MB-FLF-EC-00042 | LLDP: Default state of SNMP Notification/ MED Notification are incorrect on help page. |
| 7 | ES4627MB-FLF-EC-00044 | ACL: Hardware Counter hit number can't be show on CLI and always be 0 on Web. (Both are incorrect.) |
| 8 | ES4627MB-FLF-EC-00049 | Telnet WEB Help page : Exec Time range need to modify |
| 9 | ES4627MB-FLF-EC-00050 | Telnet WEB Help page : Login Timeout range need to modify |
| 10 | ES4627MB-FLF-EC-00051 | Telnet WEB Help page : Silent Time range need to modify |
| 11 | ES4627MB-FLF-EC-00052 | Time-Range: Bind Time-Range on ACL and make it become activate, then it can't be removed even all the ACLs are removed. |
| 12 | ES4627MB-FLF-EC-00062 | DHCPSnooping:In "Help page", we do not look up the information about "Circuit ID" |
| 13 | ES4627MB-FLF-EC-00063 | DHCPSnooping:In "Help page", we do not look up any information about "Sub-option Format" and "Remote ID". |
| 14 | ES4627MB-FLF-EC-00073 | Watchdog:Watchdog is enabled, but device shall not restarted automatically after 10 mins. |
| 15 | ES4627MB-FLF-EC-00080 | IPv6-RemotePing: Ping6 count description range on mib is not correct. It shall be 1-16. |
| 16 | ES4627MB-FLF-EC-00085 | Help Page:Interface of traffic trust mode descirpt is incorrect. |
| 17 | ES4627MB-FLF-EC-00086 | Help Page: No any sFlow Polling Interval description on Web Help Page. |
| 18 | ES4627MB-FLF-EC-00087 | Help page: Meter value of Policy map is incorrect. |
| 19 | ES4627MB-FLF-EC-00088 | IPv6-SNMP:Use ipv6 mib browser to walk the mib tree will cause CLI display error message. |
| 20 | ES4627MB-FLF-EC-00090 | IPv6-SNMP:Continously getbulk via ipv6 mib browser will display error message on CLI. |
| 21 | ES4627MB-FLF-EC-00092 | Help Page: Description for ACL binding on Interface only mentioned Ingress direction. |
| 22 | ES4627MB-FLF-EC-00093 | CableDiag:When launch test on the SFP port(link status), the result always show "testing". |
| 23 | ES4627MB-FLF-EC-00094 | L2 Switch Management : 10G Capability and Port type has error Information in (CLI / WEB UI / SNMP) |
| 24 | ES4627MB-FLF-EC-00095 | IPv6:IPv6 mtu prompt range on CLI/web/help are 1280-65535, but it can be configured range is 1280-1500. |
| 25 | ES4627MB-FLF-EC-00096 | Tacacs:DUT login priv- level is incorrect. DUT only have guest privilege. |
| 26 | ES4627MB-FLF-EC-00097 | IPv6AddressConfig:From CLI to ping6 PC with mtu size is big than 1542 will display timeout. |
| 27 | ES4627MB-FLF-EC-00098 | Reboot: DUT reboot will display "Port packet loss" error massage. |
| 28 | ES4627MB-FLF-EC-00099 | Web UI; If Web UI refresh IP as "192.168.1.10" not includ "index\_413.htm". DUT will crash. |
| 29 | ES4627MB-FLF-EC-00100 | DHCP Snooping: Client can't get the IP address successfully with DHCP Snooping enabled. |
| 30 | ES4627MB-FLF-EC-00102 | Web: Http session will not be cleared after shutdown the connected port interface. |
| 31 | ES4627MB-FLF-EC-00103 | SNMP:When we get value by SNMPwalk, DUT appear "error meaasge",and web will be disconnect. |
| 32 | ES4627MB-FLF-EC-00104 | Reload:DUT will display similar exception and hang on when reboot. |
| 33 | ES4627MB-FLF-EC-00106 | Help Page:Network Access Max Mac count is incorrect. |
| 34 | ES4627MB-FLF-EC-00107 | Macaddrtable: Mac address Aging time is incorrect. |
| 35 | ES4627MB-FLF-EC-00108 | MacAuth: Mac table is incorrect. if client is Tunnel-Private-Group-ID = 2 t. |
| 36 | ES4627MB-FLF-EC-00109 | Config file : when run the command "Copy running-config startup-config" , the DUT has the random Hangup status |
| 37 | ES4627MB-FLF-EC-00110 | SelectQinQ: The DUT does not support the description of Select QinQ on help page. |
| 38 | ES4627MB-FLF-EC-00111 | Help:RSPAN session range is not correct on help page. |
| 39 | ES4627MB-FLF-EC-00112 | Halp Page:In help page, we do not look up about the "Action" and "Shutdown Interval" information. |
| 40 | ES4627MB-FLF-EC-00113 | Help:IPv6 DAD attempts default value is not correct on help page. |
| 41 | ES4627MB-FLF-EC-00114 | LLDP-MED: The DUT still sent LLDP-MED notification even if MED notification was disabled on the port interface. |
| 42 | ES4627MB-FLF-EC-00115 | update the web help page (es4627mb-help(0.0.1.2)\_0323) |
| 43 | ES4627MB-FLF-EC-00116 | RefinePortSecurity:When reached max mac count , port security action be excuted, but show mac table can't show mac correctly. |
| 44 | ES4627MB-FLF-EC-00117 | ARP : DUT Can Not send the ARP request Broadcast packets |
| 45 | ES4627MB-FLF-EC-00118 | ERPS:When ring node port link down, ERPS status becomes "protection", it can't recovery to "Idle". |
| 46 | ES4627MB-FLF-EC-00119 | WEB :The DUT Console and WEB hang up when we configure the Flow Control setting in WEB |
| 47 | ES4627MB-FLF-EC-00120 | RefinePortSecurity:Can't delete network access mac-address table via web. |
| 48 | ES4627MB-FLF-EC-00121 | WEB : DUT will hang up when we configure the IP Cluster setting in WEB |
| 49 | ES4627MB-FLF-EC-00122 | Performance: Packet loss (around 0.03%) when run Many to One performance with size: 1024 byte. |
| 50 | ES4627MB-FLF-EC-00123 | IP Cluster :Commander Can Not control the Candidate DUT |

**Runtime V1.2.1.0**

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| 1 | ES4627MB-FLF-EC-00055 | LLDP-MED: The DUT did not display LLDP-MED TLVs of Remote Device on Web UI. |
| 2 | ES4627MB-FLF-EC-00065 | DHCPRelayOption82:On web,we can not set "DHCP Relay Server". |
| 3 | ES4627MB-FLF-EC-00124 | CLI: Update ping/ping6 help message. |
| 4 | ES4627MB-FLF-EC-00125 | [Diag, Enhance] press any key to continue while doing ledtest |
| 5 | ES4627MB-FLF-EC-00126 | [Loader] Add EEPROM phy init code for board id 2~6 |
| 6 | ES4627MB-FLF-EC-00127 | Static / Dynamic Trunk : the function is Not working in 10G Interface |
| 7 | ES4627MB-FLF-EC-00129 | ACL: Hardware Counter Hit Count for deny rule always show 0 on Web. But not show anything on CLI. |
| 8 | ES4627MB-FLF-EC-00130 | [Poe] Fix compile error when changing SYS\_CPNT\_POE as TRUE |
| 9 | ES4627MB-FLF-EC-00131 | LACP : DUT Can Not set the Admin-key "4" for port-channel "4" in WEB /CLI |

**Runtime V1.2.1.1**

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| 1 | ES4627MB-FLF-EC-00078 | IPv6-RemotePing:Default value of the ping6 content shall be 32 bytes, but CLI displays 0 bytes. |
| 2 | ES4627MB-FLF-EC-00079 | IPv6-RemotePing:Ping6 size prompt range and real working range is not the same between CLI and web. |
| 3 | ES4627MB-FLF-EC-00130 | [Poe] Fix compile error when changing SYS\_CPNT\_POE as TRUE |
| 4 | ES4627MB-FLF-EC-00139 | Add fan & thermal support for different board\_id |
| 5 | ES4627MB-FLF-EC-00142 | [Enhance] Support PoE driver, core, cli part |
| 6 | ES4627MB-FLF-EC-00143 | [Enhance] Support PoE snmp part |

**Runtime V1.2.1.2**

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| 1 | ES4627MB-FLF-EC-00142 | [Enhance] Support PoE driver, core, cli part |

**Runtime V1.2.1.4**

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| 1 | ES4627MB-FLF-EC-00089 | IPv6-SNMP:Can't set ipv6 snmp-server host successfully. |
| 2 | ES4627MB-FLF-EC-00105 | [enhance] support 28P web page. |
| 3 | ES4627MB-FLF-EC-00133 | [enhance] support PoE web page |
| 4 | ES4627MB-FLF-EC-00138 | [enhance] web support 10G SFP+ exapansion module. |
| 5 | ES4627MB-FLF-EC-00140 | when boot up two switch, after enter provisioning state, there is temperory loop |
| 6 | ES4627MB-FLF-EC-00141 | DHCP Relay Option 82 - corrections to grammar on web page |
| 7 | ES4627MB-FLF-EC-00142 | [Enhance] Support PoE driver, core, cli part |
| 8 | ES4627MB-FLF-EC-00145 | [Diag] LED\_NormalizeLEDColor should write back original value |
| 9 | ES4627MB-FLF-EC-00147 | [POE] Fix five issues of POE CSC... |
| 10 | ES4627MB-FLF-EC-00148 | Get the following error message about the Country code on LLDP web page. |
| 11 | ES4627MB-FLF-EC-00150 | VLAN RSPAN : CLI hang up after creating VLAN RSPAN |
| 12 | ES4627MB-FLF-EC-00151 | [enhance] LM77 \_CRIT temperature set to 83'C , let DUT operate reach up 55'C |
| 13 | ES4627MB-FLF-EC-00152 | [Enhance] PoE LED for 28P |
| 14 | ES4627MB-FLF-EC-00154 | To Support new board - ECS4510-28F |
| 15 | ES4627MB-FLF-EC-00155 | [enhance] change the web logo to correct EC logo |

**Runtime V1.2.1.6**

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| 1 |  |  |
|  | ES4627MB-FLF-EC-00029 | HTTP: It didn't succeed to login when using ipv6 link local address by web |
| 2 | ES4627MB-FLF-EC-00132 | [enhance] support 28F web page |
| 3 | ES4627MB-FLF-EC-00137 | [enhance] support 10G SFP+ expansion module. |
| 4 | ES4627MB-FLF-EC-00156 | [enhance] TX Amplitude & Pre-emphasis & Equalzier |
| 5 | ES4627MB-FLF-EC-00157 | [Diag] support single port external loop back test |
| 6 | ES4627MB-FLF-EC-00158 | [Diag] change default post mode from normal to fast |
| 7 | ES4627MB-FLF-EC-00160 | 28F port25, port26 always be turned on after enter the runtime. |
| 8 | ES4627MB-FLF-EC-00162 | Support 10G port led display on board id 2,3,4 |
| 9 | ES4627MB-FLF-EC-00163 | TFTP: support retry and timeout |
| 10 | ES4627MB-FLF-EC-00167 | [ECS4510-28P][Dot1x Port-based]Even authentication is failure, user still can use network |
| 11 | ES4627MB-FLF-EC-00169 | [ECS4510-28P][Dot1x MAC-auth]Even authentication is failure, user still can use network |
| 12 | ES4627MB-FLF-EC-00170 | [ECS4510-28P][Dot1x MAC-auth]MAC based EAP Athentication is not work |
| 13 | ES4627MB-FLF-EC-00171 | It display many debug messages while booting. |
| 14 | ES4627MB-FLF-EC-00173 | 28F combo port 23,24 (fiber) can only link up in 100M |
| 15 | ES4627MB-FLF-EC-00175 | port 25,26 led lighted even no transceiver inserted |
| 16 | ES4627MB-FLF-EC-00176 | Insert transceiver to port 25-26, and issue media-type sfp-forced 1000sfp, showed Failed to set port 1/26 media type |
| 17 | ES4627MB-FLF-EC-00178 | ECS4510-28F combo port 23,24 (fiber) can only link up in 100M |
| 18 | ES4627MB-FLF-EC-00179 | ECS4510-28F port 8, 16 can not link up in runtime |
| 19 | ES4627MB-FLF-EC-00181 | ECS4510-28F port leds with mixed color (Green + Amber) |
| 20 | ES4627MB-FLF-EC-00182 | failed to disable auto negotiation on ehternet 1/6 |
| 21 | ES4627MB-FLF-EC-00183 | have no way to enable debug igmpsnp-mvr event |
| 22 | ES4627MB-FLF-EC-00184 | Show ip igmp query-drop on port, got wrong information |
| 23 | ES4627MB-FLF-EC-00186 | erps and igmp snooping cannot work together ? After enable erps mrouter port disappear and multicast table became empty |
| 24 | ES4627MB-FLF-EC-00187 | set ARP Inspection on port-channel 1, but have no way to show ARP Inspection on port-channel |
| 25 | ES4627MB-FLF-EC-00188 | Problems using 23/24 fiber combo port |
| 26 | ES4627MB-FLF-EC-00189 | Port 27/28 extension 10G module can't link up |
| 27 | ES4627MB-FLF-EC-00190 | [ECS4510-28F]Port 25/26 SFP+ port can't link up |
| 28 | ES4627MB-FLF-EC-00194 | Proxy-reporting enabled, Client still received multicast traffic, after it sent IGMP leave report |
| 29 | ES4627MB-FLF-EC-00195 | System crash when reading 8th/9th Serdes External Conf 2 Regs |
| 30 | ES4627MB-FLF-EC-00197 | front panel on web interface is not correct for ECS4510-28F, SFP port for 1-24, rj45 for 23-24 |
| 31 | ES4627MB-FLF-EC-00198 | [port security] port security can not work |

**Runtime V1.2.1.7**

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|  | EPR | Headline |
| 1 | ES4627MB-FLF-EC-00153 | PortTrunk: Remove port from port-channel the Rate-limit configuration is not inherited. |
| 2 | ES4627MB-FLF-EC-00161 | Sometimes PC can not ping the switch after reboot. |
| 3 | ES4627MB-FLF-EC-00165 | ACL only support 502 ACE for permit rule |
| 4 | ES4627MB-FLF-EC-00174 | sometime after reboot, switch enter a state that tx or rx totally not working |
| 5 | ES4627MB-FLF-EC-00177 | need to issue media-type sfp-forced 100Fx for 100BaseBX transceiver to work |
| 6 | ES4627MB-FLF-EC-00182 | failed to disable auto negotiation on ehternet 1/6 |
| 7 | ES4627MB-FLF-EC-00185 | If we select sort by "address", first column should be "MAC Address" |
| 8 | ES4627MB-FLF-EC-00186 | erps and igmp snooping cannot work together ? After enable erps mrouter port disappear and multicast table became empty |
| 9 | ES4627MB-FLF-EC-00187 | set ARP Inspection on port-channel 1, but have no way to show ARP Inspection on port-channel |
| 10 | ES4627MB-FLF-EC-00205 | Fix CodeSnoar and SimpleWeb found problem |
| 11 | ES4627MB-FLF-EC-00208 | 25/26 port 10G port is not the same as 27/28 port can add a space between 24 and 25, 27/28 change to 2 sfp+ port style in on |
| 12 | ES4627MB-FLF-EC-00209 | no snmp-server community private (exception) |

**Runtime V1.3.1.0(From V1.2.1.6)**

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|  | EPR | Headline |
| 1 | ES4627MB-FLF-EC-00153 | PortTrunk: Remove port from port-channel the Rate-limit configuration is not inherited. |
| 2 | ES4627MB-FLF-EC-00161 | Sometimes PC can not ping the switch after reboot. |
| 3 | ES4627MB-FLF-EC-00165 | ACL only support 502 ACE for permit rule |
| 4 | ES4627MB-FLF-EC-00172 | MAC learning always loss one entry when exceed certain number MAC address |
| 5 | ES4627MB-FLF-EC-00174 | sometime after reboot, switch enter a state that tx or rx totally not working |
| 6 | ES4627MB-FLF-EC-00177 | need to issue media-type sfp-forced 100Fx for 100BaseBX transceiver to work |
| 7 | ES4627MB-FLF-EC-00182 | failed to disable auto negotiation on ehternet 1/6 |
| 8 | ES4627MB-FLF-EC-00185 | If we select sort by "address", first column should be "MAC Address" |
| 9 | ES4627MB-FLF-EC-00186 | erps and igmp snooping cannot work together ? After enable erps mrouter port disappear and multicast table became empty |
| 10 | ES4627MB-FLF-EC-00187 | set ARP Inspection on port-channel 1, but have no way to show ARP Inspection on port-channel |
| 11 | ES4627MB-FLF-EC-00191 | [52T] support 2 MACs on 52T. Modify gateway and stktplg\_board.c |
| 12 | ES4627MB-FLF-EC-00192 | [52T] support 52T. Modify AMTR gateway |
| 13 | ES4627MB-FLF-EC-00193 | [Rule] Support multi-device |
| 14 | ES4627MB-FLF-EC-00199 | [52T] support 10G SFP+ port on 52T |
| 15 | ES4627MB-FLF-EC-00200 | [52T] support DDM function on 52T board. |
| 16 | ES4627MB-FLF-EC-00201 | [52T] support AMTR software learn. It is for all ES4627MB serial models. |
| 17 | ES4627MB-FLF-EC-00202 | [52T] LED (support 49-52) & UC (enable poe) |
| 18 | ES4627MB-FLF-EC-00203 | [52T] the changes for enabling port mirror of two bobcats |
| 19 | ES4627MB-FLF-EC-00204 | [52T] adjust dma buffer size |
| 20 | ES4627MB-FLF-EC-00205 | Fix CodeSnoar and SimpleWeb found problem |
| 21 | ES4627MB-FLF-EC-00207 | [52T] Support traffic-segmentation on 52T board |
| 22 | ES4627MB-FLF-EC-00208 | 25/26 port 10G port is not the same as 27/28 port can add a space between 24 and 25, 27/28 change to 2 sfp+ port style in on |
| 23 | ES4627MB-FLF-EC-00209 | no snmp-server community private (exception) |
| 24 | ES4627MB-FLF-EC-00210 | set spanning-tree bpdu-filter failed on port range |
| 25 | ES4627MB-FLF-EC-00212 | IGMPSNP: add report suppression function |

**Runtime V1.3.1.1**

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|  | EPR | Headline |
| 1 | ES4627MB-FLF-EC-00144 | Exception happend while going to the LLDP interface config page for the 4627MB, and enable some of the TLVs. |
| 2 | ES4627MB-FLF-EC-00191 | [52T] support 2 MACs on 52T. Modify gateway and stktplg\_board.c |
| 3 | ES4627MB-FLF-EC-00192 | [52T] support 52T. Modify AMTR gateway |
| 4 | ES4627MB-FLF-EC-00196 | show interface counter showed big number of collisions on port 25-28 even no transceiver inserted |
| 5 | ES4627MB-FLF-EC-00199 | [52T] support 10G SFP+ port on 52T |
| 6 | ES4627MB-FLF-EC-00206 | [Enhancement] remove PoE overload disable mechanism from poedrv |
| 7 | ES4627MB-FLF-EC-00211 | Feature enhanement : MAC-VLAN support mask format |
| 8 | ES4627MB-FLF-EC-00212 | IGMPSNP: add report suppression function |
| 9 | ES4627MB-FLF-EC-00214 | CodeSonar: CLI\_API\_Show\_Eth\_Cfm\_MP\_Local {Uninitialized Variable} |
| 10 | ES4627MB-FLF-EC-00220 | [52T] Protocol vlan not work |
| 11 | ES4627MB-FLF-EC-00221 | Remove cpntPoe & cpntMutiMgmtIp in menu.js |
| 12 | ES4627MB-FLF-EC-00222 | Missing the cli command "lldp med-tlv extpoe". |
| 13 | ES4627MB-FLF-EC-00225 | Fix wrong file name of web |
| 14 | ES4627MB-FLF-EC-00227 | [52T] support 52T diag |
| 15 | ES4627MB-FLF-EC-00229 | [WEB] Modify pages have "Configure Port" or "Configure Trunk" in actionSel. |

**Runtime V1.3.1.2**

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|  | EPR | Headline |
| 1 | ES4627MB-FLF-EC-00227 | [52T] support 52T diag |

**Runtime V1.3.1.3**

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|  | EPR | Headline |
| 1 | ES4627MB-FLF-EC-00024 | MIB:it didn't set the string " ~@#$%^&\*()\_+{}:<>[]" by mib |
| 2 | ES4627MB-FLF-EC-00083 | 802.1X:DUT have set radius key. Radius Key Item does be empty in Web UI. |
| 3 | ES4627MB-FLF-EC-00128 | ACL: Hardware Counter of two MAC ACL rules "permit host 000000000001 any" and "permit host 0000000003 any" with be bound. |
| 4 | ES4627MB-FLF-EC-00206 | [Enhancement] remove PoE overload disable mechanism from poedrv |
| 5 | ES4627MB-FLF-EC-00216 | MAC-VLAN can't work correclty with DHCP snooping |
| 6 | ES4627MB-FLF-EC-00217 | [52T/52P] support 52T/52P web page. |
| 7 | ES4627MB-FLF-EC-00218 | Error message "kernel BUG" is shown under intensive use of telnet sessions |
| 8 | ES4627MB-FLF-EC-00219 | [52T] Traffic between the two chip will cause pkt loss |
| 9 | ES4627MB-FLF-EC-00220 | [52T] Protocol vlan not work |
| 10 | ES4627MB-FLF-EC-00223 | storm control - cli shows Kbits, web shows kbits |
| 11 | ES4627MB-FLF-EC-00224 | storm control - cli and web range not same |
| 12 | ES4627MB-FLF-EC-00226 | vlan translation - supports trunk in web but not in cli |
| 13 | ES4627MB-FLF-EC-00227 | [52T] support 52T diag |
| 14 | ES4627MB-FLF-EC-00230 | LLDP: enhance CLI show format |
| 15 | ES4627MB-FLF-EC-00232 | vlan translation, add and show web pages - remove trunk selection |
| 16 | ES4627MB-FLF-EC-00233 | correction to spelling -> show line |
| 17 | ES4627MB-FLF-EC-00234 | [52T] Transition: Designated Port State Transition into FORWARDING |
| 18 | ES4627MB-FLF-EC-00235 | [WEB] Some web pages can not work |
| 19 | ES4627MB-FLF-EC-00236 | [52T] igmp sn immediate leave, GS-Query test |
| 20 | ES4627MB-FLF-EC-00237 | [WEB] fix some mistake in menu.js and manage.js |
| 21 | ES4627MB-FLF-EC-00238 | Change uboot source code check in and build method |
| 22 | ES4627MB-FLF-EC-00239 | SNMP: commit failed when setting oamClearStatistics to clear |
| 23 | ES4627MB-FLF-EC-00240 | [enhance] change root oid and system oid |
| 24 | ES4627MB-FLF-EC-00241 | Phy 88E1548M A0 to A1. S/W modification. |
| 25 | ES4627MB-FLF-EC-00242 | [52T] support DiffServ on 52T(2 chips) |
| 26 | ES4627MB-FLF-EC-00244 | [52T] Voice vlan copy running-config startup-config will loss some information |
| 27 | ES4627MB-FLF-EC-00245 | [52T] IGMP Throttling - across Vlan Test on Querier switch |
| 28 | ES4627MB-FLF-EC-00247 | [52T][52P] RULE\_CTRL error message is printed while booting |
| 29 | ES4627MB-FLF-EC-00248 | [enhance] Update the web help page. |
| 30 | ES4627MB-FLF-EC-00249 | sometimes uboot can not be boot up |

**Runtime V1.3.1.4**

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|  | EPR | Headline |
| 1 | ES4627MB-FLF-EC-00135 | WebAuth:When the port state is change from linkdown to linkup, the DUT does not re-start the web authentication. |
| 2 | ES4627MB-FLF-EC-00166 | [ECS4510-28P][Web-auth]User port VLAN need same with switch management VLAN and web-aut information is too |
| 3 | ES4627MB-FLF-EC-00168 | [ECS4510-28P][Dot1x Port-based Guest VLAN]when authentication is failure, port will wait 60 sec, and then change port |
| 4 | ES4627MB-FLF-EC-00180 | same username and password can't be used for web authentication |
| 5 | ES4627MB-FLF-EC-00250 | [enhance] support static route + RIP v1/v2 |
| 6 | ES4627MB-FLF-EC-00254 | DEV\_SWDRV\_InitBufferSettings(): Line = 2677 , Buffer setting failed. |

**Runtime V1.3.1.5**

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|  | EPR | Headline |
| 1 | ES4627MB-FLF-EC-00250 | [enhance] support static route + RIP v1/v2 |

**Runtime V1.3.1.6**

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|  | EPR | Headline |
| 1 | ES4627MB-FLF-EC-00177 | need to issue media-type sfp-forced 100Fx for 100BaseBX transceiver to work |
| 2 | ES4627MB-FLF-EC-00220 | [52T] Protocol vlan not work |
| 3 | ES4627MB-FLF-EC-00231 | show ip arp inspection vlan config <= remove config parameter |
| 4 | ES4627MB-FLF-EC-00250 | [enhance] support static route + RIP v1/v2 |
| 5 | ES4627MB-FLF-EC-00251 | [enhance] support static route + RIP v1/v2 (web part) |
| 6 | ES4627MB-FLF-EC-00253 | [52P] PoE fail |
| 7 | ES4627MB-FLF-EC-00255 | [52T] fan 1 status fail |
| 8 | ES4627MB-FLF-EC-00257 | [52T] port security en and mac aging dis will cause MAC can not be deleted |
| 9 | ES4627MB-FLF-EC-00259 | DHCP:Class id "Hex " length only 32 characters on Web. |
| 10 | ES4627MB-FLF-EC-00260 | DHCP Snooping:DHCP snooping did not work correctly. |
| 11 | ES4627MB-FLF-EC-00261 | DHCP Relay Option82:DHCP Relay did not work correctly. |
| 12 | ES4627MB-FLF-EC-00262 | StaticRoute/WEB:DUT shall support to set static route via web. |
| 13 | ES4627MB-FLF-EC-00263 | UserAuthLocal:DUT did not Local login authentication well by WEB . |
| 14 | ES4627MB-FLF-EC-00264 | WEBAuth : The function can Not work (directly open the WEB UI without auth) |
| 15 | ES4627MB-FLF-EC-00265 | UserAuthRemote:DUT login authentication order only is RADIUS, but input "admin" can login it via Web. |
| 16 | ES4627MB-FLF-EC-00266 | UserAuthRemote:DUT can login authentication by TACACS server via CLI and Telnet,but it can not login via Web. |
| 17 | ES4627MB-FLF-EC-00269 | RadiusAcc:DUT can not login through the SSH via radius server. |
| 18 | ES4627MB-FLF-EC-00270 | WEBAuth : DHCP Client can Not get IP from Server on the WEBAuth Port |
| 19 | ES4627MB-FLF-EC-00271 | [28F][Diag] 23-24 port led do not light in diag led test. And need support forcetocopper/forcetofiber command. |
| 20 | ES4627MB-FLF-EC-00272 | UserAuthRemote:DUT login authentication order only is TACACS, but input "admin" can login it via Web. |
| 21 | ES4627MB-FLF-EC-00273 | Disable DHCP L2 relay and enable DHCP L3 relay, DHCP server |
| 22 | ES4627MB-FLF-EC-00275 | DHCPv6:DUT is IPv6 client, when it get IP from DHCPv6 server, it crashed. |
| 23 | ES4627MB-FLF-EC-00276 | [28F] It is very slow to enter the runtime while using the SPF+ DAC transceiver + cable. |
| 24 | ES4627MB-FLF-EC-00277 | RIP:DUT didn't learn max route entries via RIP protocol. |
| 25 | ES4627MB-FLF-EC-00278 | RIP/WEB:DUT shall support to set RIP parameters via web. |
| 26 | ES4627MB-FLF-EC-00279 | StaticRoute:DUT hangs up in CLI and doesn't access web when adding last static route with different next hop. |
| 27 | ES4627MB-FLF-EC-00280 | CLI: Failed information while remove non-existed IPv6 ACL will show word "IPV6", but it shall be "IPv6". |
| 28 | ES4627MB-FLF-EC-00283 | [28F] Combo port(Copper) can not link up while port 23(Copper) loopback to port 24(Copper). [Phy is A1 version] |
| 29 | ES4627MB-FLF-EC-00286 | Diffserv:The position of Policy Rule table value display on Web is incorrect. |
| 30 | ES4627MB-FLF-EC-00287 | enhancement:vlan database shall be remove range of vlan id. |

**Runtime V1.3.1.7**

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|  | EPR | Headline |
| 1 | ES4627MB-FLF-EC-00213 | dynamic qos can't work with ip-access-group-in |
| 2 | ES4627MB-FLF-EC-00246 | [52T] The receiving rate of COS function isn't in the expection. |
| 3 | ES4627MB-FLF-EC-00256 | [52T] flow control not work |
| 4 | ES4627MB-FLF-EC-00258 | [52T] DiffServ function's behavior is incorrect |
| 5 | ES4627MB-FLF-EC-00267 | IPCluster : If the IPCluster remote host does Not match the MAC Address "70-72-CF " ,IPCluster doe not work in CLI. |
| 6 | ES4627MB-FLF-EC-00268 | IPCluster :Login the member WBEUI at the first time will operate in the same page. (should be in different page) |
| 7 | ES4627MB-FLF-EC-00274 | Flow Control:can't received flow control frames under type Dot3X and back pressure. |
| 8 | ES4627MB-FLF-EC-00281 | Console:line console login timeout can't disable. |
| 9 | ES4627MB-FLF-EC-00284 | Performance: The DUT can not forward packets correctly while tests RFC-2889 Partially and Fully Meashed |
| 10 | ES4627MB-FLF-EC-00289 | [28F] Console freeze when power up DUT with port 1,2 and port 13,14 connected with DAC cables |
| 11 | ES4627MB-FLF-EC-00290 | [Phase3] Remove DHCP relay option 82 due to it is L3 lite product since phase3. |
| 12 | ES4627MB-FLF-EC-00291 | [Phase3] web page "System > IP" should be removed |
| 13 | ES4627MB-FLF-EC-00293 | [CLI] static ARP command not recognized |
| 14 | ES4627MB-FLF-EC-00294 | [RIP] Missing "show ip protocols rip" CLI command |

**Runtime V1.3.1.7**

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|  | EPR | Headline |
| 1 | ES4627MB-FLF-EC-00065 | DHCPRelayOption82:On web,we can not set "DHCP Relay Server". |
| 2 | ES4627MB-FLF-EC-00141 | DHCP Relay Option 82 - corrections to grammar on web page |
| 3 | ES4627MB-FLF-EC-00260 | DHCP Snooping:DHCP snooping did not work correctly. |
| 4 | ES4627MB-FLF-EC-00285 | CoS:If DUT connect cross chip,it shall not mapped to specific priority queue,and receiving rate display weight incorrect. |
| 5 | ES4627MB-FLF-EC-00296 | help page: ICMP description is incorrect.ipv6 shall be 0-1500. and ipv4 shall be 32-512 |
| 6 | ES4627MB-FLF-EC-00297 | RIP Help Page:It should add the description information of RIP in help page. |
| 7 | ES4627MB-FLF-EC-00298 | StaticRoute Help Page:It should add the description information of staticroute in help page. |
| 8 | ES4627MB-FLF-EC-00299 | RIP:These entries should not be displayed repeatedly in show ip rip interface when setting multiple IP interface addresses. |
| 9 | ES4627MB-FLF-EC-00300 | RIP:The distance setting parameter should not be different in CLI and web. |
| 10 | ES4627MB-FLF-EC-00301 | IPv6 property config : It should show“IPv6” Not “ipv6” in the description information of CLI help. |
| 11 | ES4627MB-FLF-EC-00302 | IPv6 interface CLI Help message: It should show “IPv6” Not “ipv6” in the description information of CLI. |
| 12 | ES4627MB-FLF-EC-00305 | IGMP : the Expire Time be configured 65535 seconds and miss the second information in WEB. |
| 13 | ES4627MB-FLF-EC-00306 | [phase3] remove web and help page DHCP > Relay Option82 and add DHCP Relay web page. |
| 14 | ES4627MB-FLF-EC-00307 | Update the web help page (1.3.1.6) |
| 15 | ES4627MB-FLF-EC-00308 | mac-vlan setting can't be saved |
| 16 | ES4627MB-FLF-EC-00309 | port1-24 and port25-50 can't pass through the multicast stream |
| 17 | ES4627MB-FLF-EC-00310 | [28F] Sometimes dut will show hwIfTwsiWriteReg fail error message while booting runtime. |

**Runtime V1.3.2.0**

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|  | EPR | Headline |
| 1 | ES4627MB-FLF-EC-00312 | [COS/DiffServ] In two chip model, the behavior of Queue mode is not expected when congestion port in chip 2 |
| 2 | ES4627MB-FLF-EC-00313 | CoS queue mode strict not work on second chip |
| 3 | ES4627MB-FLF-EC-00314 | CoS: the config of CoS might be different for each chip , it should be same |
| 4 | ES4627MB-FLF-EC-00315 | CoS: the config should not be different for each chip |
| 5 | ES4627MB-FLF-EC-00316 | MIB file change for L2->L3 on ip addr config |

**modifications:**

**Loader V0.0.0.4**

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| 1. Initial version |  |

**Runtime V0.0.0.7**

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| 1. Initial version |  |

**Runtime V1.2.1.2**

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| 5 | [Enhance] Support PoE (ES4627MB-FLF-EC-00142, ES4627MB-FLF-EC-00143) |

**Runtime V1.3.1.0**

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| 5 | [Enhance] Support 52T’s board. |

**Runtime V1.3.1.4**

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| 5 | [Enhance] support static route + RIP v1/v2. (ES4627MB-FLF-EC-00250) |

**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:**

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| 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.) |

**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 |

**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) |

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