

BMC Firmware Release Notes Form

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Product Name	X13DET-B
Release Version	1.03.33
Build Date	11/02/2024
Previous Version	1.02.14
Update Category	Recommended
Dependencies	None
Important Notes	<ul style="list-style-type: none">• SMC-2024010010 Command Injection attack.• SMC-2024010011 XSS attack.• (CVE-2023-33413) SMC-2024010012 Command Injection attack.• The BMC configuration file generated in BMC firmware older than Rev. 1.02.xx can't be imported.
Enhancements	<ol style="list-style-type: none">1. [ENGINEERING] — Replaced Model of redfish/v1/Managers/1.2. [ENGINEERING] — Added LDAP RFC2307bis support.3. [ENGINEERING] — Redfish should allow external account service password length more than 20.4. [ENGINEERING] — Added RSA2048 key for license server from new IT HSM.
New features	<ol style="list-style-type: none">1. [ENGINEERING] — Supported Redfish standard API /redfish/v1/LicenseService.2. [ENGINEERING] — Updated SEL Spec 1.39.3. [ENGINEERING] — Updated MEL Spec 1.08.4. [ENGINEERING] X14 — Moved Host Crash Dump to OemDumpService.Collect.

	<ol style="list-style-type: none"> 5. H100NVL and H200NVL GPU high CT and high NR definition are incorrect. 6. [ENGINEERING] — Added BMCEvidence and BIOSEvidence dump of OemDumpService.Collect. 7. [ENGINEERING] — Added SmartNIC related schema. 8. [ENGINEERING] — Redfish Upgrade 2021.2, RF1.14. 9. [ENGINEERING] — Supported new feature each field v1.33. 10. [ENGINEERING] — Upgraded SEL to 1.38 and merged SEL search method to one function. 11. [ENGINEERING] — Upgraded MEL to 1.07 and added MEL 70 and 368. Recorded wrong MEL number when uploaded IPMI config unsuccessfully. 12. [ENGINEERING] — Redfish support BMC each field v1.33/ v1.34. 13. [Engineering] — Added Qualcomm GPU Model, AI100. 14. [ENGINEERING] — Supported NIC CPLD update.
Fixes	<ol style="list-style-type: none"> 1. VMD "Auto" mode unable to get license key information from CPU (CPUOnDemand). 2. [ENGINEERING] — Web UI Prompts – 11162023. 3. [ENGINEERING] — Supported AOC-E810-XXVDA4. 4. DNS Server 1 and 2 IP ability to be set to duplicate values via SMCIPMITool. 5. Web Function — 0.0.0.0 is not allowed to be saved in 'Server Address'. 6. It allowed class D, E of IPv4 addresses for DNS Server IP setting. 7. Server Address field can fill in over 255 characters which does not match with the Spec definition. (AD and LDAP)

	<p>8. Please help confirm whether the LAN interface on WebUI complies with the definition of SPEC (X12X13_BMC_UI_Network_Page_v0.2.pdf).</p> <p>9. [SUM] Could not mount ISO with IPv6 through SAMBA UNC. [SUM] Failed to mount an ISO file with IPv6 address (ExitCode:148).</p> <p>10. [ENGINEERING] — Supported AOC-S400G-B1C.</p> <p>11. Fails updating AIOM FW, AOC-A25G-i2SM via web GUI.</p> <p>12. Storage monitoring "Physical View" page didn't show NVMe FW information.</p> <p>13. Updating the Backplane, Midplane, Fan/CPU/AIOM/AOM board CPLD all should now present MEL ID with the MEL.</p> <p>14. [ENGINEERING] Correct CPU VCCON threshold.</p> <p>15. NIC_CPLD update failed with latest BMC FW.</p> <p>16. SPSversion in Redfish BIOS FW inventory URI does not show correct version.</p> <p>17. SYS-120TP-DTTR No log event shown in the maintenance event log when activating OOB license key with SUM in-band. SSG-610P-ACR12N4H Pilot Run — No log event shown in the maintenance event log when activating OOB/DCMS license key with SUM in-band.</p> <p>18. IPv4/IPv6 help page description is inconsistent with UI Spec definition.</p> <p>19. [ENGINEERING] — Missing LAN an Active Interface when setting Static IPv6.</p> <p>20. [AOC][X13SEDW-F/1.01A][SSG-521E-E1CR24H][Redfish] Cannot upgrade NIC AOC-S25G-B2s (Rev1.02) FW via Redfish API. [AOC][X13SEDW-F] System cannot be updated Firmware of NIC card by IPMI with AOC-S25G-B2S.</p> <p>21. [AOC][X13SEDW-F] Health Status greyed out and no Link Status icon on IPMI WEB UI with AOC-S25G-B2S.</p>
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	<p>22. [ENGINEERING] — OSS Requirements.</p> <p>23. [ENGINEERING] — Removed Action of ResetToDefault parameter "PreserveNetwork."</p> <p>24. Sensors threshold \'LowNR\', \'Low CT\', and \'High NR\' show empty for Temperature Type.</p> <p>25. (CVE-2024-36435) SMC-2023110008 Buffer Overflow vulnerability.</p> <p>[Security] GetValue does not control length limit and caused stack buffer write overflow at X12DPG-OA6.</p> <p>26. [ENGINEERING] — Made PreserveNetwork backward compatible as Redfish 2020.</p> <p>27. [Security] The vulnerability of XSS attack on KVM help page at X14SBM.</p> <p>[Security] The XSS attack on local storage value at X12STW.</p> <p>28. Automation test fail due to incorrect MCU format.</p> <p>29. DDNS accepting invalid characters.</p> <p>30. [ENGINEERING] — Fixed LAN setting will change when rebooting BMC.</p> <p>31. Redfish @odata.etag properties does not include surrounding "" double quotes.</p> <p>32. [ENGINEERING] — Updated Fan list sort rule.</p> <p>33. SEL Errors before System boots into Windows 2025.</p> <p>34. [ENGINEERING] — The System button of Dashboard no reaction.</p> <p>35. [ENGINEERING] — Updated slot format of Physical Storage view.</p> <p>36. [ENGINEERING] — Adjusted license of OemDumpService.Collect.</p> <p>37. [ENGINEERING] — Updated the SSDP Redfish version and fixed possible exception.</p> <p>38. DDNS showing incorrect error message.</p>
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	<p>39. BMC Web disconnect issue after installed BlueField-3 B3220.</p> <p>40. FAN icon does not change to Red Critical when FAN failed happened on BMC WebUI.</p> <p>41. SAS drives are no longer listed under storage monitoring via Web GUI.</p> <p>42. [ENGINEERING] — WEBUI HDD Temp and SSD Temp showed null and correct Drive Status.</p> <p>43. [ENGINEERING] — Redfish 2021.2 failed to GET /redfish/v1/UpdateService/FirmwareInventory/Backplane_1_CPLD_1.</p> <p>44. At no license and OOB license, Health Event Log's Mark as Acknowledged button and Clear Acknowledgements button are disabled and do not show hover text message requiring DCMS license.</p> <p>With No/OOB License, Mark as Acknowledge button in HEL shall prompt up License Require diagram.</p> <p>45. LDAP's StartTLS isn't in UI spec definition.</p> <p>46. [ENGINEERING] — Removed PMEM SDR from X13 and B13 generation system monitoring.</p> <p>47. Misspelled "necessary."</p> <p>48. [ENGINEERING] — EventService RedfishEvent HTTPs allow self-signed CA.</p> <p>49. Enhanced help page for Java iKVM to add OpenJdk information.</p> <p>50. [ENGINEERING] — Prompt text update – iKVM over maximum sessions.</p> <p>51. Updated BIND package to version 9.10.2-P2.</p> <p>52. [RoT] MEL timestamp is incorrect when executing Update and Recover function under Platform Resiliency Actions page.</p> <p>53. The "Disable KCS" option on the Web GUI is missing a space.</p> <p>54. Operator privilege unable to modify AC Power On Event Log button and FIFO Event Log button in HEL page.</p>
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	<p>Error occurred when switching on/off "Enable AC Power On Event Log" and "Enable FIFO Event Log."</p> <p>Advanced Settings status cannot be changed Operator privilege Health Event Log successfully.</p> <p>Advanced Settings status cannot be changed successfully.</p> <p>55. [ENGINEERING] — Enabled FW update function for AOC-SLG4-2H8M2.</p> <p>56. [ENGINEERING] — Added MEL for Broadcom SAS FW update.</p> <p>57. Host Interface cannot be restored after reloading IPMI configuration.</p> <p>58. MEL for SNMP error.</p> <p>59. [ACL][2U MGX] AOC-LPE32002-M2 missing sensor and AOC info in BMC WebGUI.</p> <p>ACL: No Temperature Sensor for AOC-LPE32002-M2.</p> <p>60. [Security] — Case320078+ for Update is FAIL on 6202MS.</p> <p>61. Web_Func_Web session doesn't timeout after setting value.</p> <p>Web Session doesn't time out when reaching the set value.</p> <p>62. [Security] — Case320076+ for Active Directory is FAIL on 6202MS.</p> <p>63. WEB — There are no "System Diagnostics" help instructions in the help page.</p> <p>64. Help page should show Cooling instead of Fans and needed to add Air Cooling and Liquid Cooling descriptions.</p> <p>GUI — The introduction to Cooling isn't in the Help page; it still shows Fan.</p> <p>65. MEL is inconsistent with specs when changing states of memoryPFA and memoryHealthComp.</p> <p>66. Updated BIOS (Capsule) test fail. SUT is rebooted task status hang pending status on B14SBE-CPU-25G.</p> <p>Updated BIOS (Capsule) test fail. SUT is rebooted task rebooted task status hang pending status on X14DBG-GD.</p>
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	<p>Checked Seamless Upgrade BIOS (Current BIOS) fail due to how MCU 2.3 cannot be updated.</p> <p>Capsule MCU Update via Redfish fail due to BMC status staying 'running' over 10 mins but progress still 0%.</p> <p>67. IPMITool — RAW gets channel authentication capabilities with invalid data length.</p> <p>IPMITool — Get device ID with invalid data length.</p> <p>IPMITool — Cold Reset with invalid data request.</p> <p>IPMITool — Get chassis capabilities with invalid data length.</p> <p>68. Sensor PCIe RT Temp failed and showed negative temperature.</p> <p>69. Temperature sensor displays as Drive Slot.</p> <p>70. Web — Hostname field behavior does not follow SW-PM definition when input over 63 characters.</p> <p>71. The SOL feature was retired in 2023 H2 at H12.</p> <p>72. Kept loading on the Task List page with Safari browser.</p> <p>Kept loading on the BMC Reset page with Safari browser.</p> <p>Kept loading on the BMC Settings page with Safari browser.</p> <p>Kept loading on the Account Services page with Safari browser.</p> <p>Kept loading on the page with Safari browser.</p> <p>73. [GUI] Error tips with IPv4 Address kept showing even input value is to be changed to valid by switching back to Auto Obtain IP.</p> <p>74. The network setting Redfish API got 500 error with unrestricted input at X12.</p> <p>DNS setting accepted unrestricted input and returned 500 error at B12DPT-6.</p> <p>75. TSIG Authentication can be enabled without key and private file</p> <p>76. Added static IPv6 address by RAW command (0x30 0x68 0x09), when more than six addresses, expected to get different return from BMC/SMCIPMITOOL.</p>
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	<p>Stateful IPv6 Mode in Auto Configuration does not match specifications.</p> <p>77. Updated invalid BIOS file on BMC web, error return is not user readable.</p> <p>78. [Auto][CombinedECO] Host Interface is OFF by default.</p> <p>79. Web Function — Only one Access Mode of SNMPv2 was set, yet an unrelated MEL log was still generated when deleting.</p> <p>80. Issue #182692 and #184540.</p> <p>81. BMC does not obtain an IPv6 Gateway IP when the IPv6 configuration is set to DHCPv6 Stateful on WEB.</p> <p>82. AOC-S3816L-L16IR does not support RAID5/6 but BMC GUI displays those options.</p> <p>83. Mel "[MEL-0097] IPv6 AutoConfiguration was disabled successfully." always followed after changing LAN interface.</p> <p>84. Web UI — Inputted invalid sender's address shows different error tips in SW vs. HW1.</p> <p>85. [ENGINEERING] — HTML5 and IKVM unstable in BMC 01.03.24 – 01.03.25.</p> <p>86. [ENGINEERING] [X13DEM] Thor2, some specific NCSI device need reinit NCSI when powered on.</p> <p>87. [DVT] ROT 2.0 After BIOS recovering action was triggered unable to generate the Evidence from WebGUI. [RoT] There is no Generate Evidence function when triggered BIOS and BMC recovered manually.</p> <p>88. [DVT] WebGUI updated CPLD test fail. Redfish Automation test 1 TC failed.</p> <p>89. Operator Permission on Virtual Media mount causes session time out.</p> <p>90. No IPv6 Address information in the Redfish multinode response when IPv6 IP is enabled.</p> <p>91. Redfish automation test failed 12 TCs.</p>
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	<p>92. Added static IPv6 address by IPMI RAW 30 68 09, check in Dashboard somehow get unexpected IPv6 Address.</p> <p>93. IPMITool — RAW get/set/reset watchdog timer with invalid data length.</p> <p>94. [ENGINEERING] — M2_SSDx Temp reading is missing.</p> <p>95. [ENGINEERING] — Modified LicenseService support platform.</p> <p>96. Showed HTML tag when uploading configuration file.</p> <p>GUI — The prompt string in the upload BMC configuration has an extra space character.</p> <p>UI — Reloaded IPMI Configuration shows markdown in message "Uploading new configuration...please wait until process is completed! BMC must be reset to apply any changes."</p> <p>97. [IPMI ECO 01.03.23] Updated MCU will hang when "Upgrade Progress:100%."</p> <p>98. Some SSD-only systems showed HDD Temp.</p>
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