

# BMC Firmware Release Notes Form

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<b>Product Name</b>	<b>X14DBT-FAP</b>
<b>Release Version</b>	<b>01.02.05.12</b>
<b>Build Date</b>	<b>04/11/2025</b>
<b>Previous Version</b>	<b>Beta Release</b>
<b>Update Category</b>	<b>Recommended</b>
<b>Dependencies</b>	<b>None</b>
<b>Important Notes</b>	<b>None</b>
<b>Enhancements</b>	<ol style="list-style-type: none"><li>1. [ENGINEERING] — Added IPMI OEM CMDs 0x30 0x68 0xf9 BMC, Hii, host interface status.</li><li>2. [ENGINEERING] — Enhanced Moved cout redirector to Redfish API in nm commands.</li><li>3. [ENGINEERING] — Patched BIOS attributes.</li></ol>
<b>New features</b>	<ol style="list-style-type: none"><li>1. [ENGINEERING] — Implemented EK certificate in Redfish.</li><li>2. [ENGINEERING] — IPv6 Enhancement.</li><li>3. [ENGINEERING] — Changed properties of DHCPv6 operation mode in Redfish API.  [GUI] Did not show Use SLAAC Configuration in IPv6.  WEB — Unable to change IPv6 mode and IP via BIOS setup.  Web UI — Did not show Use DHCPv6/SLAAC Configuration in IPv6.  Function— BIOS IPv6 setting can't sync BMC IPv6 setting.</li><li>4. [ENGINEERING] — Added SPDM Redfish.</li><li>5. [ENGINEERING] — Supported DHCPv4 Option42 NTP Servers.</li></ol>

	<ol style="list-style-type: none"> <li>6. [ENGINEERING] — Improved Intel Node Manager's CPU power limit policy behavior when it was not present.</li> <li>7. [ENGINEERING] — CPU Power Capping page was available.</li> <li>8. [ENGINEERING] — Supported CPU power limit Redfish API.</li> <li>9. [ENGINEERING] — Added smart power capability CMD.</li> <li>10. [ENGINEERING] — Updated SEL Spec 1.40, MEL Spec 1.09, and IPMI Spec 2.02.</li> <li>11. [ENGINEERING] — Onboard M2 and AOC M2 SSD support.</li> </ol>
<b>Fixes</b>	<ol style="list-style-type: none"> <li>1. Smart power was unable to prevent both nodes from shutting down when a PSU was removed</li> <li>2. Unable to change IPv6 mode and IP via BIOS setup.</li> <li>3. Failed Redfish Cases when running Redfish Automation Test — Time Zones and PATCH Requests.</li> <li>4. [ENGINEERING] — Added rule of Redfish resources "Health" and "HealthRollup" properties in chassis and systems.</li> <li>5. [ENGINEERING] — Web GUI cannot modify the ADMIN password since X14 BMC 01.02.05.00. [ENGINEERING] — Web GUI cannot modify the ADMIN password since X13 BMC 01.04.02. [ENGINEERING] — Web GUI cannot modify the ADMIN password since X12 BMC 01.06.02.</li> <li>6. IPMITool — Unable to get the correct Sensor and SDR count using inband IPMITool RAW command.</li> <li>7. IPMITool — Got channel payload version for valid/invalid channel fail.</li> <li>8. Haven't displayed " Security Monitoring " info on the Help page. SATC Redfish Automation Test Failed. [IPMIECO] Redfish automation test failed. SATC Redfish test failed with 38 items.</li> </ol>

	<p>[BETA] New Spec change Network unable to disable the DHCPv6 and use the static configuration.</p> <p>[ECO] When using the BMC 01.02.05.07 or 01.02.05.08, it was unable to disable the DHCPv6 and use the static configuration. Error prompts to not support IPv4/IPv6 address do not match with SW-PM definition (#183277).</p> <p>9. Web UI —IPv4 UI design does not follow the spec.</p> <p>10. [ENGINEERING] — Added Redfish property FullPowerCycle in ComputerSystem.Reset.</p> <p>11. [Auto][Web Function] Uploaded file remains after clicking Cancel.</p> <p>12. [UI] Supermicro Logo missing after Web login.</p> <p>13. [Auto][WebFunction] SSDP Configuration fields disappeared after UI Idle Time.</p> <p>14. Uploaded SSL certificate and private key successfully, but the time period was not changed.</p> <p>15. AOC_PORTA Temp, Lower Critical – Going Low – Assertion.</p> <p>16. [Auto][Web Function] Self-Config Backup and Platform-Config Backup cannot be selected when System Lockdown Mode is Enabled.</p> <p>17. PUE2 PWM Starts at 1% Instead of 0%.</p> <p>18. Updating the BIOS via BMC Web typically takes more than six minutes.</p> <p>19. Supported DCMI set_asset_tag.</p> <p>20. IPMITool — Failed to set LAN access off via OOB.</p> <p>21. Console capture video size is 0B when setting "Record until POST ends."</p> <p>Console Capture video is zero bytes and has no content.</p> <p>22. Web Function — Failed to connect UDP when SSDP was enabled.</p>
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	<p>23. Button Frame Style becomes abnormal after switching to the SNMP page and returning to the Alerts page.</p> <p>24. When launching the iKVM with the JAVA plug-in, there was a repeated option named "Software Shutdown" which should actually perform an "AC Cycle." Java iKVM Power Control had two Software Shutdown.</p> <p>25. [ENGINEERING] — Updated to MEL 1.10. [MEL-0081] [MEL-0082] does not match with MEL spec ver. 1.08, supposed to be supported with X14.</p> <p>26. AOC_PORTA Temp, PORT3, Lower Critical — Going Low — Assertion.</p> <p>27. BMC web UI layout does not match with 299-00-240516-001 agreement. Recent Log Search text field should have placeholder.</p> <p>28. [MEL-0070] does not match with MEL spec ver. 1.08.</p> <p>29. Six test cases failed in BMC WebUI Automation. BMC Web Interface stuck after using Refresh button.</p> <p>30. [Auto][Web function] Operator Role should have View-Only Permission for Console Capture Video. Operator privilege should be View Only in Maintenance-&gt; Troubleshooting-&gt; Console Capture page.</p> <p>31. The system should not be powered by power button after "Liquid cooling Error Location - Assertion" trigger. BMC was not shutting system down when leakage was detected.</p> <p>32. When the system lockdown mode was on, unit reset button behavior was inconsistent with RAW command.</p> <p>33. RADIUS remains editable and able to be deleted when OFF, while LDAP and Active Directory buttons are grayed out when OFF.</p> <p>34. "PasswordSet" Attribute missing in /redfish/v1/AccountService Response.</p> <p>35. Unable to enable SNMPv2.</p>
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	<p>Redfish automation test failed</p> <p>36. Faulty message: "Please enable one directory service at a time !" has an extra space.</p> <p>37. [ENGINEERING] — Modified Redfish /Chassis/1/Sensors/LiquidLeak "state" string.</p> <p>38. [IPMI ECO 01.04.00] Automation test failure. SAA — Can't add user with SAA. [ECO] LAB IPMI ECO automation test. (LAB SMSTC Server) fail.</p> <p>39. [CombinedECO_IPMI 01.02.04.01] Automation test with four failures. [ENGINEERING] — SAA RAProvision failed due to CA center not receiving proper CSR format.</p> <p>40. [ENGINEERING] — IPMITool unable to open SDR for reading in X14 01.02.05.00.</p> <p>41. [ENGINEERING] — Feature of Send test event with different severity.</p> <p>42. BMC Have Both Standard + Optimal Fan Mode.</p> <p>43. DCMI power reading issue/ [196580] Test SMCIPMITool and IPMITool PSU info abnormal.</p> <p>44. [ENGINEERING] — Fixed group SEL AOC_PORT readings.</p> <p>45. Uploaded CPLD file failure results in two different error messages for SW and HW1 teams.</p> <p>46. False NVME_SSDA Temp Sensor SEL during DC ON/OFF.</p> <p>47. [ENGINEERING] — Shared LAN BMC IP loss somehow when stressing AC cycle.</p> <p>48. Scoped and scheduled for Smartpower form 299.</p> <p>49. Default AC Cycle Power Restore Config was inconsistent.</p> <p>50. Systems Boot Options Test BootOptionEnabled.</p> <p>51. [ENGINEERING] — NVMe_SSDx Temp was missing somehow in X14 BMC 01.01.02.00-01.02.03.01.</p> <p>52. [ENGINEERING] Help page description update.</p>
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	<p>53. Leak Detection Sensor and Leak Detection Event Log notifications were swapped.</p> <p>54. IPMITool — DCMi sensors returned C1 in LBMC. IPMITool — DCMi DCMi get_temp_reading returned C1 in LBMC.</p> <p>55. [Crash Dump] System's behaviors did not follow Crash Dump Spec after injected IERR.</p> <p>56. IPMITool — Verify Get Device SDR via IPMI Inband with extra bytes.</p> <p>57. [ALL] The section of Reset BIOS in help page was only for X14, H14, and later generation except X14SBH.</p> <p>58. [DVT] Redfish service/reference failed.</p> <p>59. [ENGINEERING] — Fixed the TPM DMTF test failure.</p> <p>60. IPMITool — Command DCMi discover returned data was different.</p> <p>61. The option of Auto reset system after CPU CATERR/IERR interrupt happens should be kept in ON status with Operator permission.</p> <p>62. The descriptions of [MEL-0072] did not match the specs.</p> <p>63. Failed to receive SNMP trap for [IPMI-9036] and [IPMI-9040].</p> <p>64. [ENGINEERING] — Feature — Cooling page Advanced Settings options.</p> <p>65. SEL generated [PWR-0040] Power supply failure detected.</p> <p>66. [ENGINEERING] — Fixed X14DBT_FAP cannot trigger leakage status.</p> <p>67. BMC shows leakage sensor warning after update.</p> <p>68. Failed to get Global Power Statistics.</p> <p>69. BMC should support a maximum of four KVM sessions.</p> <p>70. SAA [Attestation] Generate measurement file failed. SAA TC#2096: Generate measurement file failed.</p> <p>71. DownloadBmcCfg/UploadBmcCfg failed in B14SBE-CPU-AP.</p>
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	<p>SAA — Restore BMC configuration via bin file to enable DHCP fail (TC3195).</p> <p>Test fail via SMSTC with SAA_1.1.0_20240814 on B14SBE-CPU-AP.</p> <p>72. Case113007 for Virtual CD-ROM was FAIL on 7601MS.</p> <p>73. Redfish service/reference fail. [ENGINEERING] - Updated Redfish Schema to 2024.3.</p> <p>[ENGINEERING] — Upgraded Redfish version to RF1.21.</p> <p>74. [ENGINEERING] — Make sensor available.</p> <p>75. Dynamic DNS test was a failure.</p> <p>Cannot access hostname with Dynamic Update Enabled.</p> <p>76. [ENGINEERING] — Smart power new property.</p> <p>77. BMC Firmware Version displayed for X14.</p> <p>78. During AC on-off cycles, multiple occurrences of incorrect date/time.</p> <p>79. Set invalid username and invalid password via IPMI.</p> <p>80. IPMITool Raw get/set system info parameters failed.</p>
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