

BMC Firmware Release Notes Form

Supermicro disclaims all express and implied warranties, including without limitation, the implied warranties of merchantability, fitness for a particular purpose, and non-infringement, as well as any warranty arising from course of performance, course of dealing, or usage in trade. All products, computer systems, dates, and figures specified are preliminary based on current expectations, and are subject to change without notice. Supermicro and the Supermicro logo are trademarks of Super Micro Computer, Inc. in the U.S. and/or other countries. Copyright © 2018 Super Micro Computer, Inc. All rights reserved.

Product Name	X14DBM-AP
Release Version	01.02.05.09
Build Date	3/27/2025
Previous Version	01.00.21.23
Update Category	Recommended
Dependencies	None
Important Notes	None
Enhancements	<ol style="list-style-type: none">1. [Customer issue] — KLA GPT format ISO image mounted but failed to boot from this ISO.2. [ENGINEERING] — Added IPMI OEM CMDs 0x30 0x68 0xf9 BMC, HII, host interface status.3. [ENGINEERING] — Support SuperDiag uploaded its reports to BMC by Redfish.4. [ENGINEERING] — Enhanced Moved cout redirector to Redfish API in Nm commands.5. [ENGINEERING] — Patched BIOS attributes.6. [ENGINEERING] — Added Redfish OEM PSU info for SAA.7. [ENGINEERING] — Modified behavior of X14 B14 BMC reading external RTC NCT3015Y.8. [ENGINEERING] — CUPS memory value was incorrect.9. [ENGINEERING] — Replaced Model of redfish/v1/Managers/1.10. [ENGINEERING] — Added LDAP RFC2307bis support.11. [ENGINEERING] — Removed PW Consumption sensor but Redfish keep.

	<p>12. [ENGINEERING] — MMBI host reset enhancement.</p>
New features	<ol style="list-style-type: none"> 1. [ENGINEERING] — Cooling page Advanced Settings options. 2. [ENGINEERING] — Added rule of Redfish resources "Health" and "HealthRollup" properties in chassis and systems. 3. [ENGINEERING] — Added Redfish property FullPowerCycle in ComputerSystem.Reset. 4. [ENGINEERING] — IPv6 Enhancement. 5. [ENGINEERING] — Appended DHCPv6 client FQDN option (code: 39). 6. [ENGINEERING] — SPDM Web UI modified. 7. [ENGINEERING] — Supported DHCPv4 Option42 NTP Servers. 8. [ENGINEERING] — Improved Intel Node Manager's CPU power limit policy behavior when it was not present. 9. [ENGINEERING] — CPU Power Capping page was available. 10. [ENGINEERING] — [SPDM] I2C support. 11. [ENGINEERING] — Support CPU power limited Redfish API. 12. [ENGINEERING] — Added smart power capability CMD. 13. [ENGINEERING] — Supported Redfish standard API /redfish/v1/LicenseService.
Fixes	<ol style="list-style-type: none"> 1. [ENGINEERING] — Fixed /redfish/v1/Chassis/1/Assembly return 404. 2. [DVT] System — Storage Monitoring — Logical View doesn't display Slot, state, capacity, and Strip. Logical view elements do not exist. 3. Showed HTML tag when uploading configuration file. GUI — The prompt string in the upload BMC configuration had an extra space character.

	<p>UI — Reload IPMI Configuration showed markdown in message "Uploading new configuration...please wait until process is completed! BMC must be reset to apply any changes."</p> <p>4. [IPMI eject / select multiple slots or "ALL"] Multiple slots eject fail.</p> <p>5. MEL-0258 description does not match MEL spec.</p> <p>6. Redfish and SMTP test event was inconsistent between HW1 and SW.</p> <p>7. Found some BMC Sensor Naming was different with spec on the X14DBM-AP.</p> <p>8. Web Function — Only one Access Mode of SNMPv2 was set, yet an unrelated MEL log was still generated when deleted.</p> <p>9. BMC does not obtain an IPv6 Gateway IP when the IPv6 configuration was set to DHCPv6 Stateful on WEB.</p> <p>10. Redfish Automation Tool check failed.</p> <p>11. [ENGINEERING] — Fixed patch fail in ".../Systems/1/EthernetInterfaces/x/VLANs/".</p> <p>12. Mel "[MEL-0097] IPv6 AutoConfiguration was disabled successfully." always followed after changing LAN interface.</p> <p>13. [ENGINEERING] — BMC Release: X14 H14 BMC User's Guide 1.0b.</p> <p>14. Web UI — Inputted invalid sender's address shows different error tips in SW vs. HW1.</p> <p>15. Smart Power Functionality Caps to 1. Fixed SAA Only Displays 1x CPU's Info. [Intel NM] Power Capping Function is not working on AC Domain. [Intel NM] Power Capping Function is not working on DC Domain. Error message occurred when smart power was enabled/disabled.</p>
--	--

	<p>16. [ENGINEERING] — Leakage sensor detection for LCC system.</p> <p>17. [DVT] WebGUI update CPLD test Fail. Redfish Automation test 1 TC failed.</p> <p>18. [ENGINEERING] — HTML5 and iKVM unstable in BMC 01.00.21.03 through 01.00.21.05.</p> <p>19. Adjusted clear CMOS WebUI popup text per PM request.</p> <p>20. [DVT] ROT 2.0 After BIOS recovering action was triggered unable to generate the Evidence from WebGUI. [RoT] There was no Generate Evidence function when triggered BIOS and BMC recovered manually.</p> <p>21. Memory sensor labeling does not match the actual memory number.</p> <p>22. [ENGINEERING] — Set AP platform to DIMM group to A through F/G through L.</p> <p>23. [ENGINEERING] — Fixed Psys Power Capping fail by using WrEndPointConfigMmio command.</p> <p>24. [Psys_Intel BMC Node Manager] Entered platform, AC power Domain test fail, the power reading was not accurate after settings total power. Fixed SAA only displayed 1x CPU's Info.</p> <p>25. BMC UI — Disk erase process failed to abort while the disk was executing the erase operation.</p> <p>26. X14DBM-SP Power Capping Error with PWS-1k24A BMC Version 01.00.21.10. Hyper X14: Smart Power function Reserve power should be 0 W.</p> <p>27. Incorrect error message when trying to change Host Interface during POST.</p> <p>28. [ENGINEERING][ALL] iKVM power cycle action won't generate MEL.</p>
--	--

	<p>29. [ENGINEERING] — Support always detected Liquid Leakage sensor in S5 state</p> <p>30. "SFT-DCMS-SINGLE" still showed up after deletion thru inband, but outband check it showed "0."</p> <p>31. Case102011 for Login was FAIL on 7601MS. Case102011 for Login was FAIL on 2401MS.</p> <p>32. [Beta BMC 01.00.21.18] SAA tool couldn't flash BMC 01.00.21.18. [Auto][Combined ECO] Cannot successfully update BMC firmware form 01.00.21.18 via SAA tool. Redfish Automation Tool check fail.</p> <p>33. [Web Function] Cannot successfully create the new filter rule on IP Access Control.</p> <p>34. Unable to get complete TaskMonitor parameters when mounting an image file.</p> <p>35. System not powering on after Clear CMOS.</p> <p>36. Write FRU capability should be disabled after factory default.</p> <p>37. [ENGINEERING] — DST offset for Lord Howe was 30 minutes.</p> <p>38. IPMITool — Got channel payload support for valid/invalid channel fail. IPMITool — Verified Reserve Device SDR Repository command via LANPlus but expect error. IPMITool — Verified Device SDR Info via IPMI LANPlus, expect error.</p> <p>39. [ENGINEERING] — Failure on PLDM over MCTP over SMBUS.</p> <p>40. [ENGINEERING] — Adjusted power off state of ComputerSystem schema.</p> <p>41. Storage Monitoring info inconsistent between AMD and Intel system.</p> <p>42. [ENGINEERING] — Added transceiver temperature AOC_PORT Temp for AOC MCX75310AAS-NEAT, MCX75310AAS-HEAT.</p>
--	---

	<p>43. [ENGINEERING] — Added transceiver temperature AOC_PORT Temp for AOC-G200G-B1C, AOC-S400G-B1C, AOC-A200G-B1C, and AOC-A400G-B1C.</p> <p>44. The option of Auto reset system after CPU CATERR/IERR interrupt happens should keep in ON status in Operator permission.</p> <p>45. The descriptions of [MEL-0072] do not match the spec.</p> <p>46. Failed to receive SNMP trap for [IPMI-9036] and [IPMI-9040].</p> <p>47. SAA [Attestation] Generate measurement file failed. SAA TC#2096: Generate measurement file failed.</p> <p>48. [PIO-421GL-NR-01-NC24B] CX6 transceiver temperature sensor reading in BMC.</p> <p>49. BMC should support a maximum of four KVM sessions. The maximum number of iKVM sessions that can be opened does not match the spec.</p> <p>50. [ECO] Redfish automation one fail test case. Issue [IPMI ECO 01.03.34] Redfish automation tool check was fail. Redfish — The Redfish version was inconsistent between the web and the release notes. The Redfish version on the web doesn't match the release notes.</p> <p>51. OemDumpService.Collect failed due to return code is 400 but should be 403. Redfish — Check Operator Privilege failed on /Actions/OemDumpService.Collect. Operator Permission Privilege SYSTEMCRASHDUMP - AUTO_RESET_SYSTEM_SWITCH is not Enabled. [Redfish] POST request to collect dump failed via Operator role. Redfish Automation Operator Privilege Failure.</p>
--	--

	<p>52. During AC on-off cycles, multiple occurrences of incorrect date/time.</p> <p>53. Dynamic DNS test was fail. Cannot Access Hostname with Dynamic Update Enabled.</p> <p>54. [ENGINEERING] — Smart power new property.</p> <p>55. User privilege was not able to see Full Info on Power page.</p> <p>56. Syslog packet doesn't match the correct format. Showed '\n' at the end.</p> <p>57. [X14DBM-APL] Leakage Sensor Assertion SEL Location showed CPU Coldplate for all Leakage Sensor Headers.</p> <p>58. Web Function — Date and Time should be read only. [ENGINEERING] — Enable Date and Time write permission.</p> <p>59. BMC Firmware Version displayed for X14.</p> <p>60. [ENGINEERING] — Fixed license /redfish/v1/LicenseService/Licenses response 500.</p> <p>61. [ENGINEERING] — Fan Zone duty cycle read failed in X14BMC 01.00.21.24 through 01.00.21.24.</p> <p>62. [IPMIECO 01.00.21.24] NVMe Temp display Critical alert.</p> <p>63. [ENGINEERING] — Failed to patch LDAP setting through Redfish in X14 BMC 01.00.21.24. [ENGINEERING] — Failed to patch LDAP setting through Redfish in X13 BMC 01.03.40. [ENGINEERING] — Failed to patch LDAP setting through Redfish in X12 BMC 01.05.23.</p> <p>64. Transceiver temp triggers "Critical - going high" event logs when system was IDLE. [ENGINEERING] — Specific AOC's Transceiver temperature was missing in 01.03.39 and 01.00.21.23.</p> <p>65. The time for the event logs was incorrect.</p> <p>66. Case113007 for Virtual CD-ROM was FAIL on 7601MS.</p>
--	--

- | | |
|--|--|
| | <ul style="list-style-type: none">67. [ENGINEERING] — Storage page Button Blink/Unblink, Eject/Insert, Erase/Abort, Make/Remove Hotsparemerge68. [ENGINEERING] Fixed group SEL AOC_PORT readings.69. Uploaded CPLD file failure results in two different error messages for SW and HW1 teams.70. False NVME_SSDA Temp Sensor SEL during DC ON/OFF.71. [ENGINEERING] — Shared LAN BMC IP loss somehow when stressing AC cycle.72. Scoped and scheduled for Smartpower Form 299.73. Default AC Cycle Power Restore Config inconsistent.74. [ENGINEERING] — Added SPDM Redfish.75. [ENGINEERING] — NVMe_SSDx Temp was missing somehow in X14 BMC 01.01.02.00 through 01.02.03.01.76. [ENGINEERING] — Help page description update.77. [ENGINEERING] — Inlet Temp Fan curve using SSTDG_REV4.08 5.1.6 and 5.2.6.78. Default power restore config was inconsistent on BMC and BIOS.79. IPMITool — Verified Get Device SDR via IPMI Inband with extra bytes.80. [ALL] The section of Reset BIOS in help page was only for X14, H14, and later generation except X14SBH.81. [ENGINEERING] — Fixed the TPM DMTF test failure.82. [ENGINEERING] — BMC configuration backup and restore redesign.83. BMC should support a maximum of four KVM sessions.84. DownloadBmcCfg/UploadBmcCfg failed in B14SBE-CPU-AP.
SAA — Restored BMC configuration via bin file to enable DHCP fail (TC3195).
Test fail via SMSTC with SAA_1.1.0_20240814 on B14SBE-CPU-AP. |
|--|--|

	<p>85. Case113007 for Virtual CD-ROM was FAIL on 7601MS.</p> <p>86. Redfish service/reference fail.</p> <p>[ENGINEERING] — Updated Redfish Schema to 2024.3.</p> <p>[ENGINEERING] — Upgraded Redfish version to RF1.21.</p> <p>87. AOC-S100G-b2C will not display link status on Network AOC page.</p> <p>88. [CombinedECO_IPMI 01.02.04.01] Automation test with four failures.</p> <p>[ENGINEERING] — SAA RAProvision failed due to CA center not receiving proper CSR format.</p> <p>89. [ENGINEERING] — SSD Temp threshold wrongly set 0 if SAS3108 was installed.</p> <p>90. [ENGINEERING] — IPMITool unable to open SDR for reading in X14 01.02.05.00.</p> <p>91. [ENGINEERING] — Feature of Send test event with different severity.</p> <p>92. [UI] Supermicro Logo missing after Web login.</p> <p>93. [Auto][WebFunction] SSDP Configuration fields disappeared after UI Idle Time.</p> <p>94. Uploaded SSL certificate and private key successfully but time period was not changed.</p> <p>95. [Auto][Web Function] Self-Config Backup and Platform-Config Backup cannot be selected when system Lockdown Mode was enabled.</p> <p>96. MBD-X14DBM-AP PPL1/PPL2 information needed to be updated.</p> <p>97. Updating the BIOS via BMC Web typically takes more than six minutes.</p> <p>98. Console capture video size was 0B when setting "Record until POST ends."</p> <p>Console Capture video was zero bytes and has no content.</p>
--	---

	<p>99. Web Function — Failed to connect UDP when SSDP was enabled.</p> <p>100. Button Frame Style becomes abnormal after switching to the SNMP Page and returning to the Alerts Page.</p> <p>101. Redfish — 2FA — Used ADMIN level to disable other account privileges returns 200 instead of 403 (when OOB or no License). Redfish — 2FA — RC was incorrect after POST generated token. (DCMS License) Redfish — 2FA — Used ADMIN level to disable other account privileges returns incorrect code (OOB or no license).</p> <p>102. 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 have two Software Shutdown.</p> <p>103. [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>104. AOC_PORTA Temp, PORT3, and Lower Critical — Going Low — Assertion.</p> <p>105. [ENGINEERING] — Support Intel VROC.</p> <p>106. BMC Web UI layout does not match with 299-00-240516-001 agreement. Recent Log Search text field should have placeholder.</p> <p>107. [MEL-0070] does not match MEL spec ver. 1.08.</p> <p>108. Six test cases failed in BMC WebUI Automation. BMC Web Interface stuck after using Refresh Button.</p> <p>109. [Auto][Web function] Operator role should have View-Only permission for Console Capture Video. Operator privilege should be View Only in Maintenance -> Troubleshooting-> Console Capture page.</p>
--	---

	<p>110. The system should not be powered by Power BTN after "Liquid cooling Error Location - Assertion" trigger.</p> <p>BMC was not shutting system down when leakage detected.</p> <p>111. When the system lockdown mode was on, unit reset button behavior was inconsistent with RAW command.</p> <p>112. RADIUS remains editable and able to be deleted when OFF, while LDAP and Active Directory buttons are grayed out when OFF.</p> <p>113. "PasswordSet" Attribute Missing in /redfish/v1/AccountService Response.</p> <p>114. Unable to enable SNMPv2.</p> <p>Redfish automation test failed.</p> <p>115. Faulty message: "Please enable one directory service at a time!" has an extra space.</p> <p>116. [ENGINEERING] — Modified Redfish /Chassis/1/Sensors/LiquidLeak "state" string.</p> <p>117. [ENGINEERING] — The Fan Groups can't be displayed in WEBUI.</p> <p>118. [IPMI ECO 01.04.00] Automation test failure.</p> <p>SAA — Can't add user with SAA.</p> <p>[ECO] LAB IPMI ECO automation test. (LAB SMSTC Server) fail.</p> <p>119. [ENGINEERING] — Web GUI cannot modify the ADMIN password since X14 BMC 01.02.05.00.</p> <p>[ENGINEERING] — Web GUI cannot modify the ADMIN password since X13 BMC 01.04.02.</p> <p>[ENGINEERING] — Web GUI cannot modify the ADMIN password since X12 BMC 01.06.02.</p> <p>120. The descriptions of [MEL-0444] do not match the specs.</p> <p>AD page Port text field width does not follow 299-00-240516-001.</p> <p>AD Port edited field length does not match SPEC [299-00-240516-001].</p>
--	--

	<p>Inventory page's expand icon size does not follow 299-00-240516-001.</p> <p>Sensor search text field placeholder should be "Enter keyword here to search."</p> <p>HealthEventLog search text field should have placeholder "Enter keyword here to search."</p> <p>Maintenance Event Log search text field should have placeholder "Enter keyword here to search."</p> <p>Change different directory service information alerts were incorrect when other directory service logged in.</p> <p>"Virtual Media" instructions should be updated on the help page.</p> <p>"LLDP" instructions should be updated on the help page.</p> <p>Update page's gap between text and square block does not follow 299-00-240516-001.</p> <p>Chassis ID Subtype's "t" should be lowercase.</p> <p>Remote Console Preview should put HTML5 button in front of Java.</p> <p>IPMICFG Download/Select File button size does not follow 299-00-240516-001.</p> <p>SSL Certificates page's Select file button size should follow 299-00-240516-001.</p> <p>IP access control page's length between title and button need more space.</p> <p>Unable to change destination address in Alert page via SAA.</p> <p>Users with Operator and User Roles should not have access to Unit Reset.</p> <p>Factory Default — UNIT_RESET_BUTTON was not disabled for User Role.</p> <p>Operator/User Privilege should be viewed only on BMC Reset page.</p>
--	--

	<p>Unexpected [MEL-0002] to be logged when editing Local user's privilege.</p> <p>121. IPMITool — Unable to get the correct Sensor and SDR count using inband IPMITool RAW command.</p> <p>122. IPMITool — Get channel payload version for valid/invalid channel fail.</p> <p>123. RADIUS 2FA not on the Help page.</p> <p>No 2FA (Local user/Active Directory/Radius/License requirement) and KERBEROS SSO instruction in BMC help page.</p> <p>Unable to Enable 2FA with SSO Enabled.</p> <p>124. Haven't displayed " Security Monitoring " info on the help page.</p> <p>[IPMIECO] Redfish automation test failed.</p> <p>SATC Redfish test failed with 38 items.</p> <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 is unable to disable the DHCPv6 and use the static configuration.</p> <p>Error prompts of unsupported IPv4/IPv6 address do not match with SW-PM definition (#183277).</p> <p>125. [ENGINEERING] — BMC failed to discover SAS controller when system reboots sometimes.</p> <p>126. Web UI —IPv4 UI design does not follow the specs.</p> <p>127. [Auto][Web Function] Uploaded File remains after clicking Cancel.</p>
--	--