

BMC Firmware Release Notes Form

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Product Name	X13DDW-A
Release Version	1.03.05
Build Date	11/07/2024
Previous Version	1.02.09
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. 01.01.14 can't be imported.
Enhancements	<ol style="list-style-type: none">1. WEB — Should have error tips if cannot save invalid email format address (at SMTP page and Alert Page).2. HTTP server support for Feature flags via Redfish.3. KCS Enhancement — Disabled KCS via Redfish.4. [IPMI 01.05.01] The test for 'HTTP server support for Feature flags via Redfish' has failed.5. DMTF Compliance — Target URI of UpdateService.6. Non-OEM messages of task monitor of simple update with code 202 response payload.7. AOC/AIOM Enhancement.

	8. Attestation Validation enhancement.
New features	<ol style="list-style-type: none"> 1. [Ticket #299-00-231215-001] JNLP and SOL retirement. 2. On Board NVMe inject, eject. 3. Certificate support for HTTPS BOOT in Redfish. 4. Upgraded Redfish to 1.14.
Fixes	<ol style="list-style-type: none"> 1. Web Function — MEL-0072 wasn't logged after the SMTP alert mail was sent. 2. IPMITool — Valid ciphers list and the response of LAN print, channeled getciphers IPMI Copy Project Issue Link. 3. [AS-3015MR-H10TNR] PSU permutation found "Serial Number" does not change. 4. IPMITool — Command "dcmi get_temp_reading" returning C1 error on LBMC change items: <ol style="list-style-type: none"> i. Get DCMI temp reading Info Command. ii. Fix DCMI sensor info commands. iii. Add more comments to describe High-Level CMD (ipmitool dcmi get_temp_reading) seems to send wrong date. 5. [Auto][CombinedECO] Failed to compare PMInfo from SAA and DMI. 6. IPMITool — Changed ADMIN/root user's name and password. 7. iKVM — When opening more than maximum four sessions, return message does not follow SPEC definition sync up alert message to SPEC. 8. IPMITool — Get channel payload support for valid/invalid channel fail.

	<p>9. [Help] Default port number for LDAP is 389 and 'SSL' LDAP is 636.</p> <p>10. Not record [MEL-0132] when iKVM resets with JAVA plug-in interface.</p> <p>[Auto] [Web] IKVM console will have no screen display when launching IKWM session more than one time via Chrome/Firefox/Edge.</p> <p>Web — [MEL-0132] Doesn't appear after closing all Java iKVM screens via iKVM reset.</p> <p>iKVM reset will not create "Deleted session" entries in the MEL when Java iKVM sessions are reset.</p> <p>Do iKVM reset with Java plug-in, no record of [MEL-0132] iKVM was closed successfully.</p> <p>Launch four JAVA iKVM sessions, reset iKVM, sessions are not disconnected, and unknown users are shown in User List.</p> <p>11. Failed to download IPMI config file but MEL will successfully show information</p> <p>12. [Web Func] NIC New Version does not show when updating NIC firmware.</p> <p>13. Web — Air Cooling display area is unable to be expanded after expanding and collapsing a couple of times.</p> <p>14. Web — Unable to save network config when IPv6 was in static mode.</p> <p>15. [GUI] LDAP/Active Directory in Help page was not complete and there was a minor typo concern (about the mentioned part is PASS, still some minor strings mismatch as below).</p> <p>16. [GUI] Virtual Media help page has some descriptions that are inconsistent with UI Spec definition.</p>
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	<p>17. [WD SN655] [SYS-122H-TN] [AS-1126HS-TN] IPMIWebGUI Storage Monitoring info inconsistent between AMD and Intel system.</p> <p>18. [Auto] [Web] The BMC web login page will show HTML source code after setting with Redfish.</p> <p>19. MEL and SEL were not found when changing the setting of memoryPFA and memoryHealthComp.</p> <p>20. BMC — Firmware update mode keeps circling when updating BIOS incorrect file.</p> <p>21. MEL-0258 description does not match MEL SPEC about VirtualMedia image fail to mount Copy Project Issue Link.</p> <p>22. Web — Help page should show Cooling instead of Fans and needed to add Air Cooling and Liquid Cooling descriptions.</p> <p>23. Web — IPv6 address error message disappeared after filling in gateway address.</p> <p>24. Web — IPv6 address can be nullable, which doesn't match 1.34 spec.</p> <p>25. Update (TEE): Release TEE version 0100.03.90</p> <ul style="list-style-type: none"> i. Fix (ROT2+): Supported CM owner to update CPLD. ii. Fix (ROT2+): Supported update CPLD from x14h14fwsignkey to x13h13fwsignkey. <p>26. Web — Hostname field behavior does not follow SW-PM definition when inputting over 63 characters.</p> <p>Web — Hostname last words will be removed if the length of hostname is beyond 63 characters.</p> <p>GUI — General hostname error message would cross the General area boundary.</p> <p>27. Network Duplicate IPv6 Behavior is inconsistent "Duplicate IPv6", "The property was duplicated in the request", "The requested data are duplicated."</p> <p>28. Web UI — Message word spelling error.</p>
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	<p>29. Web UI — Error Tip Mismatch: "It is Illegal" vs. "Invalid IPv4/IPv6 Address or Domain Name!"</p> <p>30. [BMC ECO 01.03.01 (08/28/2024)] SATC Redfish automation test fail.</p> <p>Redfish SATC automation test failed.</p> <p>31. Redfish — CECC/UECC ErrorCount doesn't count after sending error HEL.</p> <p>Memory CECC and UECC event log failed.</p> <p>[IPMI 01.05.01] Redfish SATC automation test has failed.</p> <p>32. Error message for IPv4 address, exceeds the diagram's range.</p> <p>[GUI] The frame of the IPv4 address error tips exceed the input diagram.</p> <p>[GUI] Error tips with IPv4 Address keep showing even input value is be changed to valid by switching back to Auto Obtain IP.</p> <p>Web — IPv4 address error message covers IPv6 area.</p> <p>[GUI] Frame of the IPv4 address error tips exceed the input diagram.</p> <p>[GUI] Error tips with IPv4 Address keep showing even input value is to be changed to valid by switching back to Auto Obtain IP.</p> <p>33. 'Reset BIOS' page exists in BMC web, which is supposed to be new feature of 14 platforms.</p> <p>Reset BIOS tab exists on the H13SRD-F.</p> <p>34. Special characters in the SMTP Server's Address field will give a full screen error instead of the expected "Invalid email address format" small tooltip.</p> <p>An ampersand and before the @ in the SMTP Sender's Address field will give an unexpected full-screen type error,</p>
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	<p>instead of the expected "Illegal email address format" tooltip.</p> <p>WEB — Should have error tips if cannot save invalid email format address (at SMTP page & Alert Page).</p> <p>[Redfish] PATCH EventService SMTP with valid FromAddress will return 400.</p> <p>[Each Field] SMTP Sender Address Review for special character support.</p> <p>35. [IPMIECO 01.03.02] Chassis Intrusion Reset button will be missing after zooming in or out the web browser.</p> <p>36. Description of SNMP account Users in Help page is inconsistent with each field spec and actual BMC web.</p> <p>37. Cleared all policies fail under X13DDW-A.</p> <p>38. Fixed unexpected "The path of Process sshd is not correct" SEL message.</p> <p>39. [Security] LDAP baseDN allows unrestricted input and return 500 error on H14DSG-O.</p> <p>[Security] Unrestricted input on LDAP baseDN at X12DGO-6.</p> <p>40. [DVT] RADIUS service does not work with IPv6.</p> <p>41. BMC — IPv6 address should be non-nullable when in static mode.</p> <p>42. WEB — Should not record [MEL-0138] when only config Sender's Address.</p> <p>43. [DVT] boot.avi size is 0B when setting 'Record until POST ends' at Console Capture Video.</p> <p>44. [EVT] Unable to detect FAN Health Status and FAN Speed on IPMI WEB GUI.</p> <p>[EVT] Onboard Fail LED is not blinking when FAN pin got removed.</p> <p>45. Cannot upload valid SSL certificate and private key.</p>
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	<p>46. Modified xxxx_dhcp6c.conf-stateful to execute "dhcp6-script", Modified dhcp6-script to check "IPV6USEDNS", added "Domain" and "DNS", and modified dnsserver_updater to update "DNS Server1 IP" and "DNS Server2 IP".</p> <p>47. [DVT] Unable to restore UID control after reloading saved IPMI configuration.</p> <p>48. Redfish — Unable to get Processor information.</p> <p>49. AllowableValues for Targets parameter at /redfish/v1/UpdateService/Oem/Supermicro/InstallActionInfo and /redfish/v1/UpdateService/SimpleUpdateActionInfo is missing the initial forward slash</p> <p>50. Redfish — GET /redfish/v1/Systems/1/Memory/1/EnvironmentMetrics will return 500 instead of 200.</p> <p>51. NTP disabled. No date, time, and time zone control in BMC.</p> <p>52. [SCC_v3.4.0_b240503] Power Supply Health and State are abnormal on SYS-221GE-TNHT-LCC.</p> <p>53. Modified related IPv6 commands for SAA and SUM validations. Set/Get Static IPv6 address when BMC in Stateless or Stateful modes (DHCPv6) using IPMI (OEM) commands.</p> <p>54. iKVM — When open more than maximum sessions, return message does not follow SPEC definition.</p> <p>55. [SMCIPMITool] — Unable to clear IPv6 address via SMCIPMITool.</p> <p>56. The SOL connection will close when SAA.efi attempts to update BMC using the –overwrite_cfg options. UEFI SAA - TC3003 - BMC Management - UpdateBMC with –overwrite_cfg –overwrite_sdr.</p>
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	<p>UEFI SAA - TC3007 - BMC Management - UpdateBMC with – overwrite_ssl –overwrite_cfg.</p> <p>57. WebUI - TC4017- Fixed IPMI IP will be replaced or lost.</p> <p>CombinedECO SAA- TC0005 - Connection through dedicated LAN with static IP.</p> <p>CombinedECO SAA- TC0007 - Connection through on-board LAN1 with static IP.</p> <p>58. [Redfish] Assert severity does not match with 1.36 SEL SPEC.</p> <p>59. BMC can get stuck in FW update mode.</p> <p>60. [Function] — General Hostname field can fill in 64 characters which does not match with the Spec definition.</p> <p>61. iKVM — When open more than maximum four sessions, return message does not follow SPEC definition.</p> <p>62. When IPv6 Address and Gateway IP are blank, saving Prefix Length as 64 or 1 reverts to blank after save.</p> <p>63. [GUI] — License Management help info page description is inconsistent with UI Spec and BMC web.</p> <p>64. Dashboard failed to display Host IPv6 address after adding six addresses by IPMI RAW command (30 68 09 01).</p> <p>65. [Security] CPLD Golden Update allowed parameter partial match.</p> <p>66. MemoryMetrics at Redfish URI redfish/v1/Systems/1/Memory/num has OperatingSpeedMhz instead of OperatingSpeedMHz.</p> <p>67. Log entries from OEM sensors at Redfish URI redfish/v1/Systems/1/LogServices/Log1/Entries/num do not have a SensorType property eventhough OemSensorType is present.</p> <p>68. [AS-1126HS-TN_EVT_H4B0][AOC-STGF-I2S] AOC-STGF-i2S should not show the link status under BMC UI.</p>
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	<p>[AS-1126HS-TN_EVT_H4B0][AOC-AG-i2M] AOC-AG-i2M should not show the link status under BMC UI.</p> <p>69. [Security] Out-of-bounds read/write at X13 and X12 IPMI (sdrs_checksum, Sensor_Init_Agent).</p> <p>70. GUI — IP Access Control Help page is inconsistent with UI specs.</p> <p>71. [IPMI 01.04.06 ECO] IPMI ECO automation test fail.</p> <p>72. BMC — After changing SMTP setting, [MEL-0352] does not generate successfully.</p> <p>73. BMC — The description of [MEL-0133] and [MEL-0134] does not follow the SPECS.</p> <p>74. [MEL-ID] for changing controller configuration.</p> <p>75. [AS-1126HS-TN_DVT_H3] BMC Web UI cannot show the current memory operating speed Copy Project Issue Link.</p> <p>76. License Management help info page description is inconsistent with UI Spec and BMC web.</p> <p>77. Certificate support for HTTPS BOOT in Redfish.</p> <p>78. Memory Operating Speed present incorrect in Web GUI.</p> <p>79. OpenSSH CVE-2024-6387 (regreSSHion).</p> <p>80. Supported RTX4500 ADA.</p> <p>81. After adding six addresses through the IPMI RAW command (30 68 09 01), C4 will not be returned when it exceeds the range.</p> <p>82. Web Function — Redfish alert event context message isn't complete.</p> <p>Web — Redfish and SMTP test event is inconsistent between HW1 and SW.</p> <p>Web Function — Redfish alert event context message isn't complete.</p> <p>83. Web — IPMI Configuration Prompt Message does not match the specification.</p>
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	<p>84. Not defined [MEL-0xxx] is shown when setting up Network IPv6 Copy Project Issue Link Update IPv6AddrDadfailed MEL as wiki definition.</p> <p>85. X12SPM An ampersand and before the @ in the SMTP Sender's Address field will give an unusual error.</p>
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