BMC Firmware Release Notes Form

Product Name	**X13DDW-A**
Release Version	**1.02.09**
Build Date	**07/08/2024**
Previous Version	**1.02.04**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	**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	1. **Followed all properties, and structures in the wiki (https://wiki.supermicro.com/index.php/NS_SWPM:SW_PM/RedfishAPIList/X12).** 2. **Supported Multinode URI https://wiki.supermicro.com/index.php/NS_SWPM_DesignDetails:NS_SWPM_DesignDetails/Redfish#Multi-node_Redfish_Naming_Rule.**
New features	1. **Refresh BIOS FW version right after BIOS FW update.**

Fixes	1. WEB – DNS pop-up message description does not match SPEC.
	2. GUI – Sensor naming does not match as spec defined.
	3. [ECO] LDAP Support StartTLS failed.
	4. MEL-0144 only created a 'configured' log for new SMTP Sender's Address but lacked 'removed' log when SMTP Sender's Address changed.
	5. [MEL-0250] is logged when setup Radius (Active Directory) is disabled.
	6. [MEL] Non-set SNMPv2 ROCommunity MEL is logged when setting up SNMPv3.
	7. [GUI] Help page does not match with WEB GUI (SNMPv3/License Management in DarkBlue UI).
	8. Shows MEL-0035 and MEL-0036 twice when removing AD remote user, adding AD group, OR removing AD remote group and adding AD remote user at the same time.
	9. Network IPv4: Saving DNS Server IP and DNS Server 2 as the same addresses gives faulty error message.
	10. [MEL-0005/0006] has 2 spaces before and after the User Name with SMCIPMITool CMD: MEL list.
	11. Not saved IPv6 Static Configuration setting.
	12. Web Function – The "Path to Image" of Virtual Media error tips do not match the specs.
	13. [ECO] Launch SOL prompt message overlapped.
	14. Dynamic DNS is able to save setting when 'BMC Hostname' is empty.
	15. In WebGUI, bmc0->bmc2, bios0->bios2, bmc2->bmc0, bios2->bios0 features are broken since 01.01.09.
	16. Fixed Fail point 1: After BMC changed to DHCPv6 Stateful mode, DHCPv6 Stateless IP still can connect. SPEC define:

When BMC is switched from DHCPv6 Stateless mode to DHCPv6 Stateful mode in WebUI, BMC should assign its BMC IP to new IP and remove its previous IPv6 IP.

17. Redfish.Systems.Node Manager 1 test case failed.

18. Web Function – MEL showed incorrect format when typing long input of remote User/remote group at LDAP and AD. Wording issue after setting AD remote group with more characters.
MEL does not match with SPEC with long input of remote User/remote group.

19. Web – Both DNS Lookup and Static address can be modified at the same time.

20. Fixed SATC Redfish.Manager.Ethernet Interfaces 2 failed test cases.

21. WebGUI operation "Remove current settings but preserve User configurations" may lose customized ADMIN password.

22. Web does not show any LLDP information after enabling LLDP.

23. Misspelled words on MEL page.

24. ADMIN username still appears with two spaces in the SMCIPMITool MEL.

25. Failed to get correct DNS values using SMCIPMITool RAW commands.

26. WEB – MEL Log message is incorrect when configuring Syslog.

27. MEL Log message is incorrect when ONLY enabling/disabling Radius.

28. Supposed to show ONLY the least required key of the limited function when no License is activated.

29. DNS Lookup toggle button and Host interface radio buttons aren't disabled when system lockdown mode is on.

30. License require pop-up diagram not quite match with definition (string of the button).

    Web UI – After selecting "Backup Existing BIOS Image", a confirmation prompt does not appear before BIOS firmware update.

    Enable and Disable SNMP modal buttons show "Close" and "Save" instead of "Yes" and "No".

    At License Activation popup window, "Are you sure you want to ACTIVATE the License?" buttons are "Close" and "Save" instead of "Yes" and "No".

31. IPMI Web - Help page check official link fail.

32. [IPMI ECO][01.01.23] SMSTC automation test results Fail. (Timezone +0930 config fail)

33. Host Interface only supported RNDIS at release note and help page, but web appear CDC-ECM and RNDIS.

34. [MEL] — Non-set IPv4 DNS Server IP related MEL should not be shown when setup Hostname.

35. Host Interface page can be configured in system lockdown mode or login with User privileges.

36. Secure state monitoring feature enhancement.

37. Part of the alerts are missing after executing unit BMC reset.

38. Fixed CVE-2023-4879 Terrapin Attack.

39. (CVE-2023-48795) SMC-2024010013 Terrapin Attack vulnerability SMC-2024010010 Command Injection attack SMC-2024010011 XSS attack.

40. (CVE-2023-33413) SMC-2024010012 Command Injection attack.

41. Auto daylight saving function.

42. Web – Virtual media 'Path to Image' error tips didn't fully display.

43. Sensor read is inconsistent between SMCIPMITool and WebUI.

44. IPMI Web – Network page IPv6 function confirmed when "Static IPv6" mode is changed to "DHCPv6 Stateful" mode, "DHCPv6 Stateful" mode can be changed, but "Stateful" IP can't connect.

45. Web – IPv6 gateway MEL displayed twice when changing network settings other than IPv6 gateway itself.

46. Web – RADIUS web elements are disabled without license activation.
At clear/No License, Directory Service RADIUS switch is enabled, but RADIUS elements are disabled.

47. Web Function – Failed to upload Valid File for TSIG Authentication.

48. Automation TC2060: OOB – Test "GetCpldInfo" and "UpdateCpld" failed.
[IPMI ECO v.01.02.02] Automation tests Failure.

49. Fixed "IPv6 ready logo core test" failed items.
After performing BMC Unit Reset, BMC does not perform DAD for its link local address.

50. Web – AC Power on and FIFO event logs are disabled on operator privileges.

51. [GUI] — Auto DST help page description is inconsistent with UI Spec definition.

52. [GUI] Virtual Media 'Path to Image' error tips do not quite match with actual situation and each field definition.

53. WEB – MEL Log message is incorrect when only configure Network IP source to static.

54. [Function] — Server Address field can fill in over 255 characters which does not match with the Spec definition. (AD and LDAP)

55. [IPMI ECO] BMC Web UI function test failed.

56. [Function] — General Hostname field can fill in 64 characters which does not match with the Spec definition.

57. Auto Daylight Savings Time switch button should be unable to change when System Lockdown Mode is on.

58. AutoDST should be disabled when the time zone is (UTC+02:00) Damascus from 2023.

59. Web – Network page can save Class D and Class E IPv4 addresses.

60. Component Info Power Data Faulty string "System Board Power Consumption Graph (Current reading): 0Watts" is missing a space.

61. Removed the event "Updating the Backplane's CPLD firmware was initiated" MEL-0297 to indicate update status successful or failed should be good enough.

62. Duplicate MEL generated when editing SNMPv2.

63. Definition of wiki SPEC [MEL-0225] now does not match with actual WEB option naming.

64. Network IPv4 DNS Server IP and DNS Server IP 2 can save as reserved addresses: ['0.0.0.0', '0.123.123.123', '0.255.255.255', '224.0.0.0', '234.3.2.1', '255.255.255.255'].

65. BMC WEB Dashboard does not display all IPv6 addresses in the IPv6 Address list if more than 6 addresses are configured.

66. GUI – Virtual Media "Verify SSL Certificate" checkbox isn't checked by default.

67. Severity is malfunction on Sensor reading and MEL page.

After changing Network setting, Severity on MEL page malfunctions.

68. Severity displayed incorrectly on sensor reading page.

69. Web – Button text of license alert is inconsistent when checking CPU on-demand page without license.

70. When there is no license/OOB-LIC switch to Console Capture page, the cancel activate license button does not work.

71. The MEL displayed when adding and deleting user via UI and SMCIPMITool does not match. "[MEL-0000] Local user ID _ __ was added successfully." and "[MEL-0002] Local user ID _'s name was configured to __ successfully."

72. SMTP help page description is inconsistent with SPEC. There is no Port Number description.

73. Added static IPv6 address by RAW command (0x30 0x68 0x09), BMC WEB Dashboard do not display the new added IPv6 address (more than 6 addresses) Copy Project Issue Link

74. Network Help page inconsistent with WebUI.
[GUI] — IPv4/IPv6 help page description is inconsistent with UI Spec definition.
GUI – Help page doesn't match with WEB GUI in IPv4/IPv6 page.

75. GUI – KCS Control radio button does not match with UI spec.
GUI – Help page doesn't match with WEB GUI in KCS Control page.

76. GUI – SMTP description is inconsistent with WEB page at Help page. SMTP help page description is inconsistent with UI Spec definition.

77. Web Function – When IPv6 Address is blank, saving Prefix Length as 64 or 1 reverts to blank after save.

78. Generated System Crash Dump debug file fail by using Operator lever user.

79. BMC WEB show 'No data available' of Memory but status is Green.

80. BMC can get stuck in firmware update mode, supported call back function in Taskservice to fix this issue.

81. GUI – Virtual Media description is inconsistent with WEB page at Help page.

82. [MEL-0093] string does not match with LAN Interface option naming.

83. [Function] – Server Address field can fill in over 255 characters, which does not match with the Spec definition. (AD and LDAP)

84. SNMP text may not match spec "Would you like to activate SNMP?" and "Would you like to deactivate SNMP?"

85. IPMI Web - Network page IPv6 function confirmed when "Static IPv6" mode change to "DHCPv6 Stateful" mode, "DHCPv6 Stateful" mode can be changed but "Stateful" IP can't connect.

IPMI Web – Network page "DHCPv6 Disabled" failed to change IPv6 to "DHCPv6 Stateful" mode, checked BMC only allowed "DHCPv6 Stateful" IP and "Local IPv6" IP to connect.

Web – IPv6 gateway address isn't displayed when configuring to DHCPv6 Stateful.

86. MEL displayed when adding user via WEB UI and SMCIPMITool does not match.

87. [BIOS 2.1 ECO] Flash BIOS under SuperoDoctor WEB fail.

88. Web Function – No related "[MEL-0104] BMC firmware was updated successfully." in the log after updating BMC firmware.

89. Web Function – Deleting SNMPv2 Community does not produce MEL entry.

90. Updated BIOS on next boot, Choose Requirements are not same as the original selection when trying to abort update.

91. Web – Sensor severity filter malfunctioned when thresholds are enabled.
    Severity displayed incorrectly on sensor reading page.

92. WEB – Should not "Disable" user success when user was in session.
    Web – Error message was unexpected when trying to disable login user.

93. When doing iKVM reset MEL will record extra messages '[MEL-0131] iKVM was launched successfully'.
    Incorrect iKVM reset error code when opening more than 2-3 sessions. (Code: 12592, reason: 01)

94. GUI – Help page does not match with WEB GUI (User: Account type).

95. SMCIPMITool (2.28.0_240411) – NTP time zone unexpectedly changed after setting up primary address.

96. Error return when upload "TSIG .key" and "TSIG.private" with 0kb file on DDNS page is not specific.
    User is able to upload "TSIG .key" and "TSIG.private" with 0kb file on DDNS page.

97. WEB – DNS pop-up message description does not match SPEC.
    IPv4 Server IP behavior is inconsistent with error tips.

98. Help page has duplicate text "Please Note: Similarly,...the BMC should allocate a new IP address and discontinue the use of its previous IPv6 address."

99. [GUI] — IPv4/IPv6 help page description is inconsistent with UI Spec definition.

100. [GUI] Active Directory in Help page is not complete for user and a minor typo.

[GUI] LDAP/Active Directory in Help page is not complete and a minor typo.

- LDAP: No instruction of StartTLS function
- Active Directory: No instruction of DNS Lookup/Domain Name/Static Server Address, and Server Address typo.

101. No BIOS and BMC option for Inventory Recover when no License key is activated.

102. BMC – Failed to cancel BMC/BIOS update after entering update stage.

103. 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.

UEFI SAA - TC3007 - BMC Management - UpdateBmc with –overwrite_ssl –overwrite_cfg.

104. WebUI - TC4017- Fixed IPMI IP will be replaced or lost.

CombinedECO SAA - TC0005 - Connection through dedicated LAN with static IP.

CombinedECO SAA - TC0007 - Connection through on-board LAN1 with static IP.

105. BMC can get stuck in firmware update mode.

106. [Function] — General Hostname field can fill in 64 characters which does not match with the Spec definition.

107. iKVM – When open more than maximum 4 sessions, return message does not follow SPEC definition.

108. SNMPv3 description incorrect in HELP page.
GUI – SNMP in Help page is inconsistent with Actual WEB page.
[GUI] Help page does not match with WEB GUI (Firmware Management/SNMP: User/Alert).

109. When IPv6 Address and Gateway IP are blank, saving Prefix Length as 64 or 1 reverts to blank after save.

110. [GUI] — License Management help info page description is inconsistent with UI Spec and BMC web.

111. MEL For KVM error.

112. [AS-1126HS-TN_DVT_H3] BMC Web UI cannot show the current memory operating speed.

113. [GUI] — Virtual Media help page has some descriptions that are inconsistent with UI Spec definition.
Help page Virtual Media Edit VM Connection Password shows "...a-z, A-Z, 0-9 ^... "; missing a comma.

114. GUI – IP Access Control Help page is inconsistent with UI spec.

115. Enhanced help page for Java IKVM to add OpenJdk information.

116. IPMI ROM/FW update on AOC-S4116L-H16IR is successful but the task list shows failed with exception.

117. Changing IPv4 to Static and back to DHCP produces "[MEL-0097] IPv6 AutoConfiguration was enabled successfully." and "[MEL-0097] IPv6 AutoConfiguration was disabled successfully."

118. Log entries from OEM sensors at Redfish URI redfish/v1/Systems/1/LogServices/Log1/Entries/num do

	not have a SensorType property even though OemSensorType is present.
	119. MemoryMetrics at Redfish URI redfish/v1/Systems/1/Memory/num has OperatingSpeedMhz instead of OperatingSpeedMHz.
	120. Dashboard failed to display Host IPv6 address after adding six addresses by IPMI RAW command (30 68 09 01).