BMC Firmware Release Notes Form

Product Name	**X12DPG-OA6-GD2**
Release Version	**01.00.21.01**
Build Date	**09/13/2024**
Previous Version	**01.00.12.00**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	**None**
Enhancements	1. **[ENGINEERING] – X14 platform to support external RTC.** 2. **BMC showing extra sensor AIOM_NIC6 Temp as N/A when AOC-SGP-i4 is installed.** 3. **[ENGINEERING] – Improved check PSYS action license.** 4. **[ENGINEERING] – Redfish should allow external account service password length more than 20.**
New features	1. **[ENGINEERING] – Updated MEL Spec 1.08.** 2. **[ENGINEERING] X14 – Moved Host Crash Dump to OemDumpService.Collect.** 3. **[ENGINEERING] – Support Multi-Target Update in MutiPart.** 4. **Fixed Redfish Node Manager policy wrong odata link.**

Fixes	1. **[ENGINEERING] – CX7 cards firmware inventory is missing.** 2. **Updated BIOS with default option teste failed under H14DST-F.** **Updated BIOS(Capsule) test fail, SUT is rebooted task status hanging pending status.** **Updated BIOS test failed under H14DST-F.** 3. **Added static IPv6 address by IPMI RAW 30 68 09, check in Dashboard somehow get unexpected IPv6 Address.** 4. **IPMITool – RAW get/set/reset watchdog timer with invalid data length.** 5. **[ENGINEERING] – M2_SSDx Temp reading is missing.** 6. **[ENGINEERING] – Updated SEL Spec 1.39.** 7. **MEL for SNMP error.** 8. **IPMITool – Get channel payload support for valid/invalid channel fail.** **IPMITool – Set/Get user access payload for invalid channel fail.** **IPMITool – Set/Get user access payload for invalid user fail.** **IPMITool – RAW write FRU data fail.** **IPMITool – Set Management Controller Identifier String RAW Command discrepancy.** 9. **Does not show CapableSpeedGbs correctly.** 10. **[GUI] Error tips with IPv4 Address keep showing even input value is be changed to valid by switching back to Auto Obtain IP.** 11. **Web_Func_Web session doesn't timeout after setting value.** **Web Session doesn't timeout when reaching the set value.** 12. **WEB – There are no "System Diagnostics" help instructions on the help page.** 13. **Help page should show Cooling instead of Fans and need to add Air Cooling and Liquid Cooling description.**

	[GUI] Help page should list Cooling instead of Fans and need to add instruction of Air Cooling and Liquid Cooling.
	GUI – The introduction to Cooling isn't in the Help page; it still shows Fan.
	14. [DVT] The BMC User Guide in help page is X13/H13 platform.
	15. IPMITool – Raw activate payload response discrepancy.
	IPMITool – Raw Set LAN Configuration Parameters -> IP Address Source fail for LBMC.
	IPMITool – Raw get FRU inventory area info with invalid data length.
	IPMITool – Set invalid username and invalid password via IPMI.
	IPMITool – Set IPMI user with null password.
	IPMITool – Create user with invalid ID response message
	IPMITool – Get channel payload version for valid/invalid channel fail.
	16. AC Cycle not booting up OS in LastState.
	17. GET POST status with raw 0x30 0x68 0xe0 0x00.
	Cannot connect to host interface, causing automation to fail.
	18. Update BIOS (Capsule) test fail. SUT is rebooted task status hang pending status on B14SBE-CPU-25G.
	Update BIOS (Capsule) test fail. SUT is rebooted task rebooted task status hang pending status on X14DBG-GD.
	Check Seamless Upgrade BIOS (Current BIOS) failed due to MCU 2.3 cannot be updated.
	Capsule MCU Update via Redfish fail due to BMC status stay 'running' over 10 mins but progress still 0%.
	19. SSM didn't receive UECC event after enabled MemoryPFA on X14DBM-SP.
	Memory PFA test fail, after trigger PFA event the sever status no change to critical on B14SBE-CPU-25G.

20. **IPMITool – RAW get channel authentication capabilities with invalid data length.**

    IPMITool – Get device ID with invalid data length.

    IPMITool – Cold Reset with Invalid Data Request.

    IPMITool – Get chassis capabilities with invalid data length.

21. **[ENGINEERING] – Updated Redfish of NodeManager offload to follow common rules.**

22. **Temperature Sensor displayed as Drive Slot.**

23. **Web – Hostname field behavior does not follow SW-PM definition when input over 63 characters.**

24. **[ENGINEERING] – Enhanced HI status checking mechanism to avoid HI status, which is changed after system reboot.**

    All Sensors go N/A, CPU and DIMM Information missing from WebGUI during AC On/Off testing with IPMI 1.00.15.

25. **Keeping loading on the Task List page with Safari browser.**

    Keeping loading on the BMC Reset page with Safari browser.

    Keeping loading on the BMC Settings page with Safari browser.

    Keeping loading on the Account Services page with Safari browser.

    Keeping loading on the page with Safari browser.

26. **Sensor Readings "AOC_PORTA Temp" item location changed.**

27. **It doesn't support the System (BIOS) Embedded Diagnostics function on X14SBHM.**

28. **Setting date and time with NTP disabled resets after AC Cycle.**

29. **[ENGINEERING] – The Redfish of NodeManager offload inconsistent with spec.**

30. **Error tips with IPv4 Address keep showing even input value is be changed to valid by switching back to Auto Obtain IP.**

31. **The network setting Redfish API got 500 error with unrestricted input at x12.**

DNS setting accepted unrestricted input and returned 500 error at B12DPT-6.

32. BIOS recovery from WebGUI inventory failed.

33. [ENGINEERING] – Fixed SmartNIC update button duplicate issue and word display.

34. [ECO] AOC_NIC1 Temp dropped during cburn DC on/off test.

35. [ENGINEERING] – Updated MEL messages of Node Manager offload.

36. NIC AOC sensors dropped when the power cycle rebooted.

37. [ENGINEERING] – Changed sensor name from AOC_SSDx Status to AOC_SSDx State.

38. [ENGINEERING] – Moved SmcAttestationDump API to AttestationCollect.

39. BMC occurs ROT event (BMC JTAG Lockout changed to unlock) during AC cycle.

40. [ENGINEERING] – Enabled smart power function back.

41. The "Disable KCS" option on the WebGUI is missing a space.

42. Operator privilege unable to modify AC Power On Event Log button and FIFO Event Log button in HEL page.
Error occurred when switching on/off "Enable AC Power On Event Log" and "Enable FIFO Event Log".
Advanced Settings status cannot be changed Operator privilege Health Event Log successfully.
[Function] – Advanced Settings status cannot be changed successfully.

43. [ENGINEERING] – BF3 AOC PORT Temp sensor missing.

44. [ENGINEERING] – IKVM over maximum sessions.

45. [ENGINEERING] – Adjustments to Clear CMOS and AC Cycle behavior when not in S5 State.

46. Fixed Redfish Node Manager policy wrong odata link.

	47. [ENGINEERING] – Enabled FW update function for AOC-SLG4-2H8M2. [ENGINEERING] – Added MEL for Broadcom SAS FW update. 48. Updated BIND package to version 9.10.2-P2.