BMC Firmware Release Notes Form

Product Name	**X12DPG-OA6-GD2**
Release Version	**1.05.24**
Build Date	**12/16/2024**
Previous Version	**1.05.08**
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. 01.03.14 can't be imported.**
Enhancements	1. **[ENGINEERING] — Replaced Model of redfish/v1/Managers/1.** 2. **[ENGINEERING] — Added LDAP RFC2307bis support.** 3. **[ENGINEERING] — Modified Redfish EjectMedia and InsertMedia target always displayed on /redfish/v1/Managers/1/VirtualMedia/*.**
New features	1. **[ENGINEERING] — Supported Redfish standard API /redfish/v1/LicenseService.** 2. **[ENGINEERING] — Updated SEL Spec 1.39.** 3. **[ENGINEERING] — Updated MEL Spec 1.08.**

	4. [ENGINEERING] — Support Multi-Target Update in MutiPart.
Fixes	1. Redfish — MEL spec version mismatched on the /redfish/v1/Registries/Event API. 2. Case102011 for Login is FAIL on 7601MS. Case102011 for Login is FAIL on 2401MS. 3. Write FRU capability should be disabled after factory default. 4. [ENGINEERING] — DST offset for Lord Howe is 30 minutes. 5. IPMITool — Got channel payload support for valid/invalid channel fail. IPMITool — Verified Reserve Device SDR Repository command via LANPlus but expect error. 6. Fixed the package linux_kernel at version 5.1.3 is in the affect range of CVE-2023-0266 on X12DPGOA6. 7. [ENGINEERING] — Fixed /redfish/v1/Chassis/1/Assembly return 404. 8. [ENGINEERING][ALL] — iKVM power cycle action won't generate MEL. 9. Case 412020 for SSL renegotiation failed. 10. [ENGINEERING] — Modified LicenseService support platform. 11. Shows HTML tag when uploading configuration file. GUI — The prompt string in the upload BMC configuration has an extra space character. UI — Reloaded IPMI Configuration shows markdown in message "Uploading new configuration...please wait until process is completed! BMC must be reset to apply any changes." 12. Redfish and SMTP test event is inconsistent between HW1 and SW.

13. Web Function — Only one Access Mode of SNMPv2 was set, yet an unrelated MEL log was still generated when deleting.

14. BMC does not obtain an IPv6 Gateway IP when the IPv6 configuration is set to DHCPv6 Stateful on WEB.

15. [ENGINEERING] — HTML5 and IKVM unstable in BMC 01.05.14.
    [ENGINEERING] — WEBUI response slow in BMC 01.05.14.

16. [Security Enhancement] Bind9: Updated to version 9.18.9 (9.18.15).
    [Security Enhancement] OpenSSL library: Updated to version 1.1.1w.
    [Security Enhancement] SNMP: 5.7.3 to 5.9.3.
    [Security Enhancement] Removed dropbear and added OpenSSH 9.8p1.
    [Security Enhancement] Disabled TLS v1.0 and TLS v1.1.
    [Security Enhancement] Weak Cipher Suite Removal.
    [Security Enhancement] BOOST: 1.57.0 to 1.68.0.
    [Security Enhancement] BUSYBOX: 1.29_stable to 1.35.0.
    [Security Enhancement] LIBUV: New added 1.45.
    [Security Enhancement] SMTP: 1.4.32 to 1.8.23.

17. [Security] Case113119 for Floppy Disk is FAIL on 9201MS.
    [Security] Case113119 for Floppy Disk is FAIL on D301MS.
    [Security] Uploaded Floppy Disk successfully without CSRF_Token at H12SSFFAN6 2023_02_28.
    [Security] Unrestricted input found in filename parameter of floppy disk feature at H12SSFF-AN6 20230317.

18. Added static IPv6 address by IPMI RAW 30 68 09, checked in Dashboard somehow got unexpected IPv6 Address.

19. IPMITool — Raw get/set/reset watchdog timer with invalid data length.

20. [ENGINEERING] — M2_SSDx Temp reading is missing.

21. MEL for SNMP error.

22. [Security] — Case320078+ for Update is FAIL on 6202MS.

23. IPMITool — Get channel payload support for valid/invalid channel fail.

    IPMITool — Set/Get user accessed payload for invalid channel fail.

    IPMITool — Set/Get user accessed payload for invalid user fail.

    IPMITool — RAW write FRU data fail.

    IPMITool — Set Management Controller Identifier String Raw Command discrepancy.

24. [GUI] Error tips with IPv4 Address kept showing even input value is be changed to valid by switching back to Auto Obtain IP.

25. Web_Func_Web session doesn't timeout afterset value.

    Web Session doesn't timeout when reaching the set value.

26. [Security] — Case320076+ for Active Directory is FAIL on 6202MS.

27. IPMITool — Raw activated payload response discrepancy.

    IPMITool — Raw Set LAN Configuration Parameters -> IP Address Source fail for LBMC.

    IPMITool — Raw got 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.

28. 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 — Got chassis capabilities with invalid data length.

29. Stateful IPv6 Mode in Auto Configuration does not match specification.

30. Temperature Sensor displayed as drive slot.

31. The SOL feature was retired in 2023 H2 at H12.

32. 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.

33. 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.

34. Web — Hostname field behavior does not follow SW-PM definition when inputting over 63 characters.

35. TSIG Authentication can be enabled without key and private file.

36. [ENGINEERING] — Changed sensor name from AOC_SSDx Status to AOC_SSDx State.

37. Added static IPv6 address by RAW command (0x30 0x68 0x09), when more than six addresses, expected to get different return from BMC/SMCIPMITOOL.
    Stateful IPv6 Mode in Auto Configuration does not match specification.

38. The times for the event logs are incorrect.

39. PCIE RT Temp is NA.

40. Case113007 for Virtual CD-ROM is FAIL on 7601MS.

41. Case102005 for Users is FAIL on 7601MS.

42. Vulnerable JavaScript library jquery-ui on 7601MS.

	43. Case113122 for File.Import is FAIL on 3501MS. Case113121 for File.Export is FAIL on 3501MS. Case113122 for FileImport is FAIL on 7601MS. Case113121 for FileExport is FAIL on 7601MS. 44. NVMe Temp displayed critical alert in X12BMC 01.05.23. 45. [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.