BMC Firmware Release Notes Form

Product Name	**X12DPG-OA6**
Release Version	**01.04.12**
Build Date	**3/2/2024**
Previous Version	**01.03.11**
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. 1.03.14 can't be imported.**
Enhancements	1. **OpenJDK support.** 2. **Prompt will now show in Redfish and Web GUI whenever RBID increase has been detected on uploaded firmware.** 3. **Adjusted max fan speed to 98%.** 4. **Enhanced GPU Redfish API value.** 5. **Added SPS version and Microcode version to firmware inventory.**
New features	1. **Supports AOC-S400G-B1C.** 2. **Added Property "Product" for /redfish/v1.** 3. **Enabled USB Lan 2 options feature (WEB).**

Fixes	1. Intel GPU AMC firmware update failed with a high fail rate. 2. Hid link speed 1G option for AOM-PIO-I2G. 3. BMC Host Interface becomes "Disabled". 4. Added MEL after changing Host Interface "RNDIS Connection" or "CDC-ECM Connection". 5. Enabled USB Lan 2 options feature (WEB). 6. SUM – Failed to Set LAN AutoConfiguration DHCPv6Mode Configuration. 7. Unable to load SMTP page. 8. Redfish test fail on Check AccountService Accounts Method Privileges due to unexpected status code return. 9. There is an extra backplane object on the BMC "Firmware Management" page. 10. Operator cannot have Full Access to Event Log. 11. PATH '/redfish/v1/Chassis/StorageBackplane/Drives/Disk.Bay.0' status code should be 405 but it is 400. 12. MEL is incorrect when restored to factory default. (RAW 30 41) 13. Logging out with an enabled SMTP alert will create three MEL entries. 14. Null user test failed, created null users are not displayed on the users page. 15. SUM – Failed to Set LAN AutoConfiguration DHCPv6Mode Configuration. [#164371] Failed to disable IPv6 autoconfig using SMCIPMITool. 16. Notifications (SNMP) on the Help page are inconsistent with the Actual WEB page. 17. IPV6 – Fail to set Alternative DNS server IP through SMCIPMITOOL. [#165179] [SMCIPMITOOL] BMC disconnected for a while while setting up IPV6 DNS 2 via command.

[#165264] SMCIPMITOOL DNSv4 mode RAW commands don't work. [#165227] SMCIPMITOOL The command return code doesn't follow up the specification.

18. Validate Access with OOB and No License should switch to newer UI behavior.

19. Support NVIDIA RTX 4000 Ada, RTX 5000 Ada, RTX 6000 Ada.

20. [MEL-0093] String does not match with the LAN Interface option naming.

21. Fixed Redfish Inconsistency.

22. MEL is incorrect when configuring the Host Interface.

23. No related MEL when disabling TSIG Authentication.

24. The NVMe temperature will be 45°C sometimes.

25. Set 0.0.0.0 to DNS Server IP would be replaced by a valid DNS Server2 IP after the setting is saved. [163549] - After saving network IPv4 DNS Server IP as 0.0.0.0, the field does not display 0.0.0.0, also no MEL.

26. Incorrect GPU Index from IPMI.

27. HDD Temp/HDD Temp sensor will show N/A when executing cburn-87 DC on/off test.

28. Lease changed the upper critical temperature to 77 °C for E3.S SSD drive sensor.

29. Changed the upper critical temperature to 80°C for Samsung NVMe drives.

30. Set correct format but invalid NTP Server IP, error message returns 'Oops' instead of [MEL-0255].

31. [GUI] Virtual Media/Network/User (SNMP) on the Help page are inconsistent with Actual WEB page.

32. License required behavior/message not quite match with SW-PM definition.

33. [MEL] Duplicate MEL when setting up Dedicated Link Speed and 1G Full Duplex MEL does not match with the option name.

34. When creating RAID level 10/50/60(Span Depth=3), the "RAID level" information on the BMC Web GUI is incorrect.

35. [MEL-0104] not listed after successful BMC update without all configurations preserved.

36. BIOS attribute value is overflow.

37. Modified Redfish privilege and licensecheck for Redfish_1_11_API_full_list_20230918 update.

38. Fixed Systems LogService entry empty data.

39. Adding ACCEPT/DROP rules with duplicate IP Address/Mask will get blocked.

40. [GUI] Password can't be the reverse of the User name, error return "Oops! Something went wrong." Does not quit match with the situation.

41. Trash can should be greyed out when using login with User privilege.

42. [MEL] Added RemoteGroup/User Rules MEL does not follow the same MEL SPEC version definition. [161782] - SNMPv3 (Notifications) Authentication Protocol/Encryption Protocol naming is inconsistent with MEL.

43. Help page does not list related info to SSDP and LLDP.

44. Added New User, keeps showing warning tips after unselecting Account Type 'SNMP'. [162398] - Keeps showing a warning message after unselecting the SNMP account type when adding a new user.

45. Support one HDD to create RAID 0.

46. "PW Consumption" will disappear from the sensor readings page once the "Select a sensor type category" setting is changed.

47. MEL can't fully display when typing long length string on remote User/Group at LDAP and AD.

48. BMC Failover interface option is missing under the BMC Web Network page.

49. Virtual media: When there are duplicates with the same Host and path, they are blocked from mounting with an error message.

50. Operator cannot have Full Access to the Event Log.

51. Intel GPU AMC update unstable. Sometimes reports "Invalid image".

52. Missing ProcessSummary "Model" value in /redfish/v1/Systems/1.

53. Fixed VirtualMedia does not allow domain URLs with port.

54. Set power limit 0 to Node Manager failed.

55. Should not be able to set invalid IPv6 DNS values using SMCIPMITool RAW commands.

56. Toggling the system power will create repeated "Host FW password has been removed / auto-generated" entries in the MEL.

57. Set invalid IPv6 Static Address RAW command does not return CC. [ENGINEERING] Fixed OEM command switch IPv6 stateful mode will not auto get DHCP IPv6 IP.

58. "License Activation" sub menu didn't rename to "License Management".

59. Fixed random return of 0 and shortened response time. [169030] - [IPMIECO 01.04.06] Cannot read the OAM TPM-related information under Redfish hl/oam/device/Security.

60. BMC Failover interface option is missing under BMC Web Network.

61. VirtualMedia SMB does not support mount with port.

62. PSU health status is abnormal when removing the power cord. [168583] - The power Fail alert function didn't work. [168348] - Can't display event log after pulling out the power cord.

	63. BMC firmware v01.04.09, IKVM function-bar is not working at all.
	64. DNS Server 1 and 2 IP ability to be set to duplicate values via SMCIPMITool.
	65. Web Function – 0.0.0.0 is not allowed to be saved in 'Server Address'.
	66. Server Address field can fill in over 255 characters which is not matched with the Spec defined. (AD and LDAP)
	67. It allows class D, E of IPv4 addresses for DNS Server IP setting.
	68. Failed to mount an ISO file with IPv6 address (ExitCode:148).
	69. Supports AOC-S400G-B1C.