BMC Firmware Release Notes

Product Name	**X12DPT-B6**
Release Version	**1.03.18**
Build Date	**9/20/2023**
Previous Version	**01.02.64**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	**None**
Enhancements	**None**
New features	**None**
Fixes	1. **Auto Daylight Saving Time.** 2. **Task Queue and Task List.** 3. **Network Setting Page can now save with only 1 Dedicated LAN speed capability.** 4. **Redfish 2020.3 related feature network enhancement feature MEL 1.05 and SEL 1.36.** 5. **SystemLockdown System Lockdown Storage Monitoring Physical View buttons are enabled while drive selection is disabled.** 6. **AOC-S25G-m2S sensor temp drop.** 7. **Accept IP access control with prefix 0.** 8. **Auto Daylight Savings Time switcher doesn't disable for the Operator and User privileges.** 9. **User name string length only supports to 16 not 31 for SNMPv3.** 10. **Error message displayed when mounting image.**

| | Mount ISO Image failed on X12DPT-PT6.

Unable to connect virtual media when only setting up 1 or 2 virtual machine connections.

Connect button doesn't work on the Virtual Media page.

Virtual Media Unmount Device modal buttons show Close and Save instead of Yes and No even though it asks, "Are you sure you want to UNMOUNT the Device?"

11. Fixed the RMCP connection lost during the SPM test.

12. Supported KCS disable function.

13. Fixed Systems LogService entry empty data. |
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01.02.64 (3/27/2023)

1. *Modified the data length check of the OOB preserve command - 0x30 0xA0 0x15.*

1. *BMC 1.02.55 failed to auto-switch SAS controller i2c mode into PCIe mode.*
2. *All sensors drop during DC On/Off testing.*
3. *Wrongly cleared the preservation selection while clicking the Power switch on the top right side.*
4. *HDD monitoring is missing during cburn on/off stress testing.*
5. *Corrected UUID format.*

01.02.56 (1/12/2023)

6. *Enabled StatelessAddressAutoConfig in Redfish Ethernet interface.*
7. *Added Redfish method to set BMC LAN interface.*
8. *Updated network hostname format.*
9. *"MEL shown to fail when bios backup image updated successfully".*
10. *Fixed error HTTP message format at X13 and X12 Redfish (/redfish/{string}.IKVM).*
11. *When NTP is disabled, the user cannot modify the timezone from the web.*
12. *Set the HTML5 console as the default selection.*
13. *IPv6 auto-config option will be enabled after setting other network parameters.*
14. *Removed rollback ID configuration page. Rollback ID always updates when the firmware updates.*
15. *Lost PFR image version on the web.*
16. *Failed to install OS by Virtual Media HTML5 sometimes.*
17. *New added IPV6 addresses are unavailable.*
18. *Fixed BMC reset for new SSL certificate to take effect.*

01.02.44 (9/14/2022)

19. Removed System NIC (Systemslot, port) event description
20. Fixed wrong System NIC (Systemslot, port) event description
21. Fixed a backward configuration compatibility issue in 01.02.40
22. Fixed the order of the AOC Temp Sensors (they were out of order)
23. IPMI upload configuration message now changed
24. Fixed the NTP setting that is not syncing after BMC reboot, *when setting invalid NTP server.*
25. *Fixed MARVEL and AOC card temperature missing.*

01.02.35 (7/08/2022)

1. Fixed: AOC-AG-i4M the i350 does not support sensor but the WEB UI show sensor status.
2. Fixed: Redfish automation test failed w/ 8 failures on v01.02.23
3. Fixed: Automation tests Failure [140340] - Redfish automation test failed w/ 8 failures on v01.02.23 [139728] - IPMI ECO automation test failed. [140170] - Ignore query string if it's longer than 128 bytes
4. Fixed: Time zone not reset to default after disabling NTP through redfish
5. Fixed: Redfish automation test failure.

6. Fixed: Ignore question mark if no query parameter is appended to Redfish URI [137739] - IPMICFGECO failed on TC122. [138143] - SUMECO failed on TC373

7. Fixed: CPLD version display is not matched between existing version and new version on Update CPLD Step 3

8. Fixed: no sensor reading for AOC-SMG3-2M2-B

9. Fixed: Redfish automation test failure. There are 10 failure items when running SATC test.

10. Fixed: "Export to Excel" button is not deactivated when all Maintenance Event Log categories are deselected.

11. Fixed: Multi Node page failure

12. Fixed: Special Characters Allowed in SNMPv2 Community String

13. Fixed: WEBUI wrongly did not allow to edit user properties in FW 1.00.00

14. Fixed: remove license key check in system troubleshooting Web GUI page.

15. Fixed: The LED blinking action is too slow

16. Fixed: Login screen should be support "eye-icon" button to view password.

17. Fixed: IPMI Web - Network page "DHCPv6" check fail

18. Fixed automation test failure, test case 408: BMCWebUI

19. Added support for the AIOM AOC-ATG-B2TM

20. Added support for Intel GPU ATS M1 and ATS M3

21. Added Enhanced Smart Power (new UI)

22. Error Message Display Behaviors and MELs were added

23. Updated iKVM with New UI.

24. Added support for IPMI LAN disable

25. Added NIC link up/down event

01.02.35 (2/24/2022)

1.   The format of CPU page is incorrect.

2.   Host will not reboot automatically after BIOS runtime update.

3.   Fixed BIOS UFFN version mismatch.

4.   Power Supply (PSU) Input voltage/Current/Power wording to support AC Input.

5.   Host now automatically powers on (if host is off) after BIOS Golden Update.

6.   Evidence generation and the download fails through HII.

7.   CDump.tgz download through SMCIPMITool cannot be extracted.

8.   Backward compatibility to support AOC-STG-b2T with PLDM or original thermal reading.

9.   Support for AOC-A25G-i4SM.

10.   Support for RMCP over IPv6.

11.   IPMI ECO automation test failure. (TS-411 ,TS-412, TS-413)

12.   Added a prompt to ask user if they want to reboot system after BIOS runtime update. [137380] - Flashing BIOS by "Immediate Update" does not work under Web GUI.

13.   Redfish automation test failure. [137260] - [IPMI ECO 01.02.16] 31 tests failed will occur when executing redfish automation tool [136114] - [IPMI ECO 01.02.13] Automation tests Failure. [127406] - Redfish Automation Tool check fail. [136456] - [BIOS ECO 1.2] Automation tests Failure. [134718] - Redfish automation test failed. [136254] - Redfish automation test failed.

*14.   System Crash Dump can be generated/download with the wrong license (No key or OOB) [137760] - "Save" button is not appropriate for clear event log confirmation boxes [137775] - Add SNMP type user Not have * to inform Auth Key and Private Key are required items [137778] - Add SNMP type User does not generate an error message when using characters that are not allowed [137830] - Mount *.img displays wrong file type on Virtual Media page.*

15.   Unable to generate "NTP update" on the task list, while NTP Enable/Disable. [137841] - Unable to generate "NTP update" on the task list, while NTP setting.

16.   Filter account type "Redfish/IPMI" or "SNMP" will get stuck.
17.   [IPMI ECO 01.02.13] Automation tests Failure. [136456] - [BIOS ECO 1.2] Automation tests Failure. [133392] - Redfish Installation Test fail caused by incorrect BIOS preservation option.
18.   Support for BIOS runtime update.
19.   New JAVA certificate.
20.   Add MultiNode API.

01.02.04 (10/27/2001)

1. Fixed mismatch of "Generate Evidence can't update BIOS firmware" message and Spec definition.
2. Fixed issues with number of drives displaying on Overview and Physical View tabs on storage monitoring.
3. Fixed issue with AOC thermal reading for AOC-SLG3-2H8M2 on IPMI Web.
4. Fixed problem of firmware inventory page loading unnecessary buttons.
5. Fixed problems of BRCM3808 HDD detection error occurring and HDD blink/unblink requiring DCMS license.
6. Fixed failure of Redfish Automation Tool check.
7. Fixed missing storage monitoring tab and AOC_SSD temperature sensor reading with AOC-SLG3-2H8M2 on IPMI.
8. Fixed functionality of firmware update checkboxes.
9. Fixed missing redfish/v1/Chassis/1/PCIeDevices/NVMeSSD[nvme_ssd_num].
10. Corrected number of SATA drives on Broadcom rectangle.
11. Fixed abnormality of iKVM after changing language from English to ????.
12. Fixed problem of "Update Failed..."appearing after ROM update for RAID controller.
13. Fixed issue with cross-site scripting on Users feature when using specific payload.
14. Corrected web storage controller tab.
15. Fixed inability to modify boot option order via PATCH BIOS attributes.
16. Fixed failure of Redfish Automation Tool check.
17. Fixed missing number in Power Supplies Event Log.
18. Fixed missing IPv6 network address on WebGUI Dashboard.
19. Fixed failure of BMC Storage Monitoring to show green circle for user role.
20. Fixed inability to run Redfish and Thermal automation test.
21. Fixed problem of Storage Monitoring Overview page causing BMC to hang when staying on the overview page for 3-5 minutes.
22. Corrected data for IPMI web power consumption.
23. Fixed mismatch of "Generate Evidence can't update BIOS firmware" message and Spec definition.
24. Fixed failure of SMSTC IPMIECO TS#102 - Checking IPMI configuration.
25. Fixed failure of IPMIECO automation test starting on TC#260.
26. Fixed problem when switching on "Multi Node" page (User Privilege).
27. Fixed mismatch of power consumption curves for "last day" and "last week" and highest peak value in IPMI WebGUI.
28. Fixed ability to configure some functions when using "User" Privilege.
29. Fixed missing IPMI SEL log for HDD smart error.
30. Fixed problem of BiosRotManage UpdateGolden throwing "Sending packets timeout".
31. Fixed problem of prompt to reboot system showing after updating NICs and Broadcom firmware.
32. Fixed ability to configure some functions when using "Operator" Privilege.
33. Fixed failure to save RADIUS configuration from the web and missing confirmation message after performing FD/unit reset from web.

34. Fixed failure of SUM to update CPLD.
35. Corrected display of WebGUI/SMCIPMITool pminfo/IPMITool SDR when hot swapping PSU with host on.
36. Fixed BIOS firmware version string.
37. Fixed failure to turn On/Off the "System Lockdown Mode" icon to sync status with different user.
38. Fixed inconsistency of behavior when setting user name and password as the same (through adding or modifying).
39. Fixed problem of IKVM remote console showing 0x3F8 control code after loading factory default.
40. Fixed failure of Storage Monitoring page to show correct data.
41. Fixed SNMP range and special characters.
42. Fixed failure of IPv4 static subnet mask format.
43. Fixed inability of 0x30 0x68 0x28 0x06 0x01 command to get Stage/Backup/Golden BIOS revision.
44. Corrected data shown for the vendor model name on GPU info page.
45. Fixed problem of "required" overlapping when mounting CD-ROM image, problem of tips in line feed for Japanese/Chinese appearing as incomplete, and number of drives displaying issues on overview/physical.
46. Fixed inability to get current rollback ID setting from BMC.
47. Fixed problem of session timeout occurring when failing multiple verifications.
48. Fixed failure to update RAID controller by old method.
49. Fixed problem of BMC WebUI logging out immediately after logging in BMC WebUI.
50. Fixed failure of SATC AD test case.
51. Cut length of network add-on card firmware version.
52. Fixed ability to create an anonymous account or null value on hardware IPMI.
53. Fixed ability of User with User-level permissions to attempt to change UID setting.
54. Fixed instability of fan speed sensor.
55. Fixed problem of the firmware upload hanging.
56. Fixed missing NVMe graphics.
57. Corrected BMC web description after the DC28 issue of cmd.
58. Fixed missing shared LAN IP if AIOM is without standby power.
59. Fixed problem of power consumption staying as 2W after stress cburn on/off.
60. Set updating BIOS via /redfish/v1/UpdateService/Actions/UpdateService.SimpleUpdate to preserve SMBIOS.
61. Fixed missing link status of network add-on card.
62. Fixed failure to unlock the ADMIN account.
63. Fixed response to OEMGetSetSmartCool 30 70 73 cmd.
64. Fixed malfunction of blink LED feature on logical view page and missing option to delete RAID volume.
65. Fixed AOC-A25G-i2SM temperature.
66. Fixed failure of web element to disable when logging in with user privilege.
67. Fixed failure to run IPMIECO Automation test (TC401/402).
68. Fixed missing link status of AOC-S25G-m2S.
69. Fixed failure of BMC to delete the RAID configuration.
70. Fixed failure of IPMICFG to execute IPv6 command "-addrptl 2".
71. Fixed buffer overflow in ipmi_lan ASF protocol.
72. Enabled access to PFR Recover Action only with DCMS License on firmware inventory page.
73. Fixed issues with pminfo reading.
74. Fixed problem of HTML5 console repeatedly connecting when performing iKVM reset.
75. Fixed mismatch of password requirement.
76. Fixed issue of RHEL 8.3 hanging.
77. Fixed problem of B12SPE NIC1 and NIC2 MAC addresses being swapped.

78. Fixed issue of different drives displaying on BMC WebGUI.
79. Fixed failure to clear IPv6 address list.
80. Made Rollback ID alert a tooltip.
81. Set Rollback ID checkbox for motherboard CPLD to disabled when license is unactivated.
82. Removed DCMS license requirement for updating BMC/BIOS Golden and getting Rollback ID.
83. Enhanced BIOS Golden update.
84. Upgraded Dropbear to version 2019.78.
85. Set BMC update via /redfish/v1/UpdateService/Actions/UpdateService.SimpleUpdate to preserve configurations.
86. Set BIOS update via /redfish/v1/UpdateService/Actions/UpdateService.SimpleUpdate to print to MEL.
87. Removed MouseMode, iKVM, and Snooping license check.
88. Set multi-function to grey out when logging in with user privilege.
89. Enabled USB LAN between BMC and BIOS to work with all BIOSes with USB LAN local MAC or USB LAN global MAC.
90. Set Directory Service to support group only.
91. Set restore boot option as default if BIOS update is not set to PreserveBOOTCONF.
92. Added BIOSVersion and BootBlockVersion property to StorageController.
93. Added querying stored rollback ID.
94. Added support for UFFN via Redfish.
95. Added support for Staged BIOS update.
96. Added unit W to the end of smart power event.
97. Added support for EUI-48 Locally Administered MAC Address for Redfish host interface.
98. Added restore boot configuration during BIOS update.
99. Added new raw command 0x30 0x68 0x39 to add/delete user account.

01.01.05 (7/15/2021)

1. Updated BIOS version early in recovery flow.
2. Added longer delay and set system to forcefully shut down if graceful shutdown fails.
3. Set yellow RBID notification to show on BMC or BIOS selected components.
4. Set update of BIOS through SUM with BMC reboot to preserve BIOS settings.
5. Updated BMC/BIOS golden image when updating the OEMFID into RBID.
6. Set BMC to reboot only when BIOS rollback ID needs to be written into CPLD.
7. Added some delay for SUM to poll BIOS for update progress.
8. Updated crash dump 1.0.6.
9. Added one more byte in raw 0x30 0x68 0xE0 0x00.
10. Added support for AOC-S25GC-i4S.
11. Added support for AST2600A3.
12. Added SensorNumber property in /Chassis/1/Thermal.
13. Added a notification when user selects "Allow Rollback ID To Be Updated".
14. Fixed IPMI config and LIC activation, problem of Tips and hit message overlapping on "Add new user" window, problem of "Auth key" and "Private key" hit messages overlapping and showing as incomplete on SNMPv3 page, problem of "Port" and "Time to live" hit messages overlapping on SSDP page, problem of "Select Files..." hit message overlapping with button on IPMI Configuration page, and problem of "Port" and "Time to live" tips and hit message overlapping on SSDP page.
15. Fixed Network AOC tab.
16. Fixed Redfish license check.
17. Fixed issue with account services.

18. Fixed missing sensor reading.
19. Synchronized Alert IP between OEM command and Redfish/Web.
20. Fixed inability to disable IPMI Web SNMPv3.
21. Fixed typo in Redfish driver property.
22. Fixed problem of prompt appearing when trying to change Rollback ID setting on any license other than DCMS.
23. Fixed failure of memory serial number to show completely, problem of "Export to excel" string display appearing out of frame on HEL/MEL page (Japanese), failure to show error message when typing in IPv4 format address on IPv6 DNS server, issues with language dictionary spelling, and different format under PSU page.
24. Fixed inability of SMCIPMITool to show IPv6 address after setting Network LAN mode to dual and failure of test case 267 for SUM commands "MountIsoImage" and "UnmountIsoImage" with IPv6.
25. Fixed ability of BMC storage monitoring Logical view page to only show 1 JBOD device and corrected information showing on controller page.
26. Fixed mismatch of time format.
27. Fixed ability of user to launch only one HTML5 window after FD.
28. Fixed inability to mark the latest event as acknowledged.
29. Fixed ability of Virtual CD-ROM to import invalid symbol for input option.
30. Corrected relative link on UpdateService/FirmwareInventory/Broadcom1.
31. Fixed error with power consumption SC mode and mismatch of account info display format on two platforms.
32. Fixed problem of AOC-MCX566A-CDA AIOM sensor dropping during cburn on/off.
33. Fixed problem of AOC revision showing as rev 1.0 instead of 1.01.
34. Fixed the PCIe Gen version in PCIeDevices instance API.
35. Fixed missing Network add-on card sensor and info and add-on card NIC sensor reading.
36. Fixed test cases 407 and 408.
37. Fixed abnormality of behavior on sensor page and problem of non-functioning scrollbar appearing on many pages of WebUI.
38. Corrected SSDP port number 1-65535 and disabled VM port on the first use.
39. Fixed inability to add the SNMP alerts by SMCIPMITool.
40. Fixed storage Redfish API count.
41. Fixed problem of the NIC being assigned to shared NIC when both dedicated and shared NICs are connected.
42. Corrected power status displayed after BIOS update.
43. Fixed mismatch of SSDP port number range from note box and alert message.
44. Fixed problem of add-on card temperature name containing unknown character in SMCIPMITool.
45. Fixed error message for ability of user to set username with "@".
46. Fixed problem of task status showing as EXCEPTION after BIOS update finishes.
47. Corrected WebUI behavior after enabling system lockdown.
48. Replaced BMC power into DCMI power reading for template workaround.
49. Fixed problem of "Clean user password failed" showing when the operator deletes the user though SMCIPMITool.
50. Removed extra characters in warning error message for user.
51. Fixed problem of value error occurring in IPMI Web - System - Component Info - CPU Speed.
52. Corrected event log created by IPMI after heating memory until OS shutdown.
53. Fixed presence of sensor for AIOM 1G (AOC-AG-i2M).
54. Fixed failure of IPMI WebUI to respond.
55. Fixed problem of Oops error being returned when turning on "Virtual Media Port" first.
56. Fixed inability of 1.01.03 to enable Dynamic DNS in setting process.
57. Fixed issues with spelling on component information.

58. Fixed problem of error being returned when using full-width characters when adding or modifying user name and mismatched hit message being returned when inputting full-width characters for user password.

59. Corrected DNS Server2 IP default value, fixed inability to configure DNS Server IP/DNS Server2 IP on Network page, and enhanced IPv4 static netmask input validation.

60. Fixed problem of Health Event Log page hanging in reading process when creating over 4096 events.

61. Fixed problem of PSU status displaying wrong error if system is powered off and PSU has a power cord.

62. Fixed failure of selected protocol (SHA96/AES128) to save at SNMPv3 (Alert).

63. Fixed mismatch of "Message" field on "Alerts" page when protocol is "Redfish".

64. Fixed inability to disable SOL.

65. Fixed failure of web session timeout.

66. Fixed PWS sensor reading.

67. Fixed missing host interface after BMC factory default.

68. Fixed ability to edit IP Access Control, DDNS, Syslog, Time Zone, and NTP Server after locking down the system, to configure some functions in System Lockdown Mode, and to configure some functions when using "Operator" and "User" Privilege.

69. Fixed failure to enable SNMPv3 when special characters include username.

70. Fixed failure of the NTP time to sync after updating the BIOS.

71. Fixed problem of IPMITool Factory Default Command raw 30 40 resetting the network settings.

72. Fixed ability to receive logs when the log is full (512 logs) after disabling the FIFO.

73. Corrected information displayed when "Virtual Media Port" is turned off and fixed problem of "TSIG .key File" and "TSIG .private File" hit message being lost, overlapping, and shifting on DDNS page.

74. Added BMC unique firmware name.

75. Fixed error with MIB sensor Table check.

76. Fixed abnormality of CPU overheat.

77. Set system slot at "Location" in Network AOC tab to be used.

78. Fixed issue with RADIUS server address input.

79. Fixed issue of BMC Web hanging when getting network AOC information.

80. Fixed problem of IPMI showing N/A on AOC Temp reading.

81. Fixed inability to detect sensor reading "AOC_NICI_Temp" when AOC-S25GC-i4S card is attached.

82. Fixed problem of BMC generating AIOM sensor when there is no AIOM card.

83. Fixed inconsistency of save success messages for WebUI.

84. Fixed ability to configure some functions when using "Operator" Privilege.

85. Fixed problem of "Configured-driver is rebuilding" showing in physical view after RAID status in logical view returns to "Optimal" and found 3 (expecting 1) "HDD is rebuilding" event logs on web.

86. Fixed problem of IPMI event log showing as null when event log adds to 4096.

87. Fixed failure of page to respond when VM has a bad file name.

88. Fixed 13 failures of IPMIECO Automation test.

89. Fixed inability to connect to IPMI Web using http://IP:81 when web port 81 is ON.

90. Fixed problem of the Battery status displaying "Prohibit" icon when RAID card does not support battery module and battery status error in Storage Monitoring.

91. Fixed problem of PFR action button behavior changing from show/hide to disable/enable.

92. Fixed problem of the NTP Enable switch position moving to On and the "On/Off" string disappearing after disabling NTP.

93. Fixed problem of the web page logging out when changing "System Lockdown" (either On to Off or Off to On).

94. Fixed problem of file names affecting verification.

95. Fixed missing health when there is no linkup with TAS.
96. Fixed problems of NetworkDeviceFunctions collection count showing as 0 and NetworkDeviceFunctions showing MAC as garbled.
97. Fixed failure of test via SMSTC.
98. Fixed problem of PSU page extended info automatically minimizing.
99. Fixed failure of COM2 console redirection to connect.

01.00.03 (4/30/2021)

1. Allowed BIOS update after new CPLD firmware upgrade.
2. Removed $(TAG_CS from health page after enabling lockdown.
3. Set smart power default to enabled.
4. Allowed GET Rollback ID without DCMS license.
5. Confirmed VT505 OCP protection is set 250ms.
6. Set BMC to pick up the correct IP based on the network interface and LAN mode being used.
7. Removed requirement of DCMS license to update Golden.
8. Displayed the NVMe drive Temperature and PDLU.
9. Set Memory Health status to red when warning event occurs.
10. Set success message to be clickable after 1 second.
11. Set HTML5 session display on Safari to succeed.
12. Updated new ADC driver.
13. Updated PMEM firmware.
14. Enabled license checking for SSL, SSL upload, firmware resiliency, and firmware resiliency action info.
15. Changed PSU Event Behavior to adhere to BMC_PSU_LAN_Plug_In_Out_Behavior_v1.3.docx.
16. Converted NVMe drive capacity units to GB.
17. Updated BIOS info in BMC before host is up.
18. Added time discrepancy for HDD blinking on WebUI.
19. Enabled upper critical and non-recoverable SEL on CPU overheat.
20. Set recovery from Backup Image to occur first, if valid, and from Golden image to occur second, if valid.
21. Allowed 20 seconds before rebooting BMC for SUM to process some items before updating BIOS Golden image.
22. Removed PreserveME for BIOS update in ROT.
23. Set BIOS dates to display consistently throughout the different Firmware areas.
24. Set Erase BMC/BIOS Backup to show UID LED Blinking, trigger MEL, and display backup version as "Not Present".
25. Set Update BMC/BIOS Backup through Raw Command to show UID LED Blinking and trigger MEL.
26. Set IPMI command of erasing BMC/BIOS staging to be provided.
27. Aligned behavior of 'CPLD FW update' with SW team.
28. Updated PMEM threshold.
29. Set IPMI command of erasing BMC/BIOS backup/Golden to be provided.
30. Set Network configuration on web to follow spec.
31. Allowed more than 4 characters for username length.
32. Removed interactivity of Update Rollback ID checkbox when Rollback ID Setting is automatic.
33. Disabled Rollback ID setting change during Step 3.
34. Set powering off to update BIOS.
35. Set first step to "Choose component and options" and second step to "Upload Firmware File."
36. Removed Preserve NVRAM.
37. Disabled BRCM3908/3916 firmware update function temporarily.

38. Added Get_Marvell_Information_even_license_is not_activated.

39. Added Rollback ID setting display for CPLD system.

40. Added support for SFT-SDDC-SINGLE license activation.

41. Added the method using the NVMe Admin command 'Identify' to read the NVMe drive capacity.

42. Added Host Interface confirm message.

43. Added support for Broadcom SAS3908 RAID functions.

44. Added NAND area erase.

45. Added support for Marvell NR2241.

46. Added display of a "failed" message in MEL when BMC/BIOS firmware update fails.

47. Added 30 68 e0 get/set post status and 30 68 f9 get service status cmd.

48. Fixed problem of Logical view showing "no data available".

49. Fixed failure of IPMI Web - Configuration - Network - IPv6 setting.

50. Fixed absence of the Storage and System Slot in System Information/View Details.

51. Fixed loss of MEL after Filter and Severity are modified/changed.

52. Fixed mismatch of IPMI Web CPU info tab and X12 IPMI UI Spec.

53. Fixed display of DNS_server2 default on web.

54. Enabled MAC and FRU to recover after BMC automatically recovers from Golden image.

55. Fixed problem of HTML5 iKVM hotkey setting interface showing as blank.

56. Fixed warning event for memory page.

57. Fixed failure of Generate Evidence function on the Platform Resiliency Actions page.

58. Fixed failure to observe Product Key information via command sdc.sh -pk when observed via smcipmitool with nodekey list command.

59. Fixed problem of Redfish SEL Health Server Status showing "Failed to get SEL..."

60. Enabled support only for BIOS/BMC Recover and BIOS Golden/BMC Golden Update.

61. Fixed failure of FD to clear RADIUS server if RADIUS is disabled.

62. Fixed inability to enable NTP using SMCIPMITool.

63. Fixed failure of SATC Storage Test case.

64. Fixed failure to define the 0xDC events on the X12DPT-PT46.

65. Fixed failure of Redfish Automation Tool check.

66. Fixed missing information on UI tables.

67. Fixed failure of DNS server to save.

68. Fixed problem of session timing out after updating BIOS.

69. Fixed missing support for non-80 port of Mount Virtual Media function over HTTP and failure of MEL to send with event service.

70. Fixed BMC issue when running SUM with -scan ROM option.

71. Enabled Web date/time to turn NTP on and fix/sync SSDP page.

72. Fixed display error on IPMI Web - System - Component Info - Fan info when removing Fan while power is on.

73. Fixed problem of BMC reset to Factory Default getting Dedicated LAN Link Down / Link up event.

74. Fixed missing AOC-S100G-m2C temperature reading.

75. Fixed missing SUM inside donut of NVMe and Broadcom and problem of storage cards appearing out of frame.

76. Fixed failure of automated test and license permission.

77. Fixed problems of Broadcom SAS3808 showing two controllers and Storage logical WebUI using "RAID" instead of "Raid".

78. Fixed failure of SMART error reported by disk to be reported in storcli, the SEL, or Storage Management Menu.

79. Fixed mismatch of BMC Events for PSU Behavior and X12 document "BMC_PSU_LAN_Plug_In_Out_Behavior_v1.3".

80. Fixed failure of CPU and memory page in BMC component info page check after offline flash of BMC, BIOS, or CPLD and then powering on the first time.

81. Fixed failure of Notifications alerts setting to reload with IPMI configuration file.

82. Fixed mismatch of BIOS info, failure of categories to sort, and missing CPLD Backplane0 with Redfish firmwareInventory info command.

83. Fixed failure of IPMI Web to display storage function page when system has RAID controller.

84. Fixed failure of IPMI Web - Sensor page to display any M.2 card sensor.

85. Fixed problem of Broadcom SAS3908 sensor missing error occurring.

86. Fixed failure of memory recognition, problems of Total Physical Memory showing as 0.00 GB, 0 DIMM showing in Detail/System Summary, and Total Physical Memory (Bytes) showing as 0, and missing Memory category in System Information/View Details on the X12DPT-PT46 Redfish host.

87. Fixed failure of 122975 SMTP configuration to change after executing TC#315.

88. Rolled back ID updating and checking implemented for Web and Redfish.

89. Fixed failure of IPMI Web - GPU page to display GPU card.

90. Fixed failure of IPMI Web - Network AOC to display AOC LAN card.

91. Fixed missing colored severity of MNTC event log.

92. Fixed issues with AOC-SMG3-2M2-B Storage Monitoring display on IPMI with SYS-220BT-HNC8R.

93. Fixed problem of both CPU number values displaying as 1 when getting SNMP.

94. Fixed malfunction of enable/disable button for maintenance event log on web page after rebooting BMC.

95. Fixed failure of IERR injection to trigger CrashDump.

96. Fixed missing VBAT sensor on sensor page.

97. Fixed problems of IPMI sensor reading failing, many items showing N/A or error, and sometimes all items showing N/A.

98. Fixed inability to find the TEE OS version in the IPMI maintenance event log.

99. Fixed problem of NVMe driver Temp reading showing as N/A when using ipmicfg or SUM to list NVMe drives.

100. Fixed missing Backplane CPLD update button in IPMI WebGUI.

101. Fixed inability to apply TC103 radius IP.

102. Fixed problem of operator privilege missing network access.

103. Fixed incomplete display of User IP address (IPv6).

104. Fixed issues WITH Network page/help page/VM page.

105. Fixed display of "Connected Logical Driver" on Physical View page.

106. Fixed failure of Dashboard storage button to change to red info with critical array event.

107. Fixed inability to detect CX6 Mellanox AOC NIC temperature.

108. Fixed ability of Redfish to disable SSL redirection and HTTPS.

109. Updated Help information and fixed arrangement of dashboard info.

110. Fixed problem of Network page IP display error occurring.

111. Fixed failure to get volume information via Redfish volume API.

112. Fixed problem with X12DPT-PT6 temperature sensor reading, of CPU, DIMM, Inlet temp, and 1.88V sensor reading error occurring, and of Power Consumption table error occurring.

113. Fixed Smart Power functions.

114. Fixed failure of IPMI Web - Configuration - Network - IPv6 setting and ability of IPMI Web - Virtual Media - Virtual CD-ROM to import invalid symbol for input option.

115. Fixed instability of MCTP and sensor from Broadcom SAS3908.

116. Fixed mismatch of controller name display in storage monitoring UI.

117. Fixed BMC LAN Redfish patch format for X12.

118. Fixed problem of SMCIPMITool pminfo showing unexpected power supplies.

119. Fixed 1.8V BMC sensor reading.

120. Fixed inability to modify password and then mount file.

121. Fixed mismatch of '30 6a SUM' and 'ipmitool' on DCMS/OOB license on X11DGQ-P.
122. Fixed problem of DumpService behavior not performing as expected.
123. Fixed inability of SUM to update motherboard CPLD through OOB.
124. Fixed errors and mismatches with HPE of IPv6 settings.
125. Fixed inability to build HDD RAID function in BMC Web GUI.
126. Fixed problem of provision tool getting incorrect Golden BMC revision.
127. Fixed missing EC update log when EC upgrades.
128. Fixed failure of BRCM3908/3916 HDD blink function and problem of Web keeping busy when going to Storage/Physical View with BRCM3108 card installed.
129. Fixed failure of UEFI SUM 1.1.0 to update CPLD, throwing out code 149.
130. Fixed power down to update BIOS and added HDD to sensor list.
131. Fixed problem of false alert for HDD Temp occurring.
132. Fixed problem with OEM command for Event of Call Home.
133. Fixed problem of Virtual keyboard iKVM Java being cut short.
134. Fixed problem of kernel panic occurring when remotely installing ESXi OS by httpfs mount.
135. Fixed failure of host to power up after BIOS is updated by tool.
136. Fixed problem of the BIOS update percentage staying at 0 if preserving BIOS NVRAM.
137. Fixed abnormality of behavior after returning to Alerts page from SNMP page.
138. Fixed mismatches of "DateTime" zone format and MEL severity format.
139. Fixed problem of Web service hanging when logging into WebUI with Chrome browser while SEL is full.
140. Fixed problem of firmware verification staying on Step 2 if it fails or system powers off on Firmware Management page.
141. Fixed failure of SATC redfish automation test.
142. Fixed problem of HDD Temp Upper Non-recoverable going high in IPMI log during DC on/off test.
143. Fixed failure of I2C Bus #10 in BMC Diagnostics\I2C Bus Diagnosticson.
144. Fixed mismatch of "AOC_M2SSD1 Temp" sensor and sensor spec.
145. Fixed failure of LAN Connection Failover.
146. Fixed problem of error message appearing when creating Username with < or > character.
147. Fixed problem of AOC-S100G-b2C sensor reading showing as NA in the IPMI GUI.
148. Fixed issue with MEL severity color and PSU css.

0.11.30 (12/29/2021)

1. Added enhancement to save FRU into critical data in NOR and NAND.
2. Changed design for boot dev selector.
3. Prevented page from refreshing when setting UID.
4. Enhanced search of BIOS information.
5. Added support for updating Signed CPLD firmware.
6. Added support for new SNMPv3 OIDs and improved SNMPv1 trap.
7. Fixed problem of backplane CPLD updating in eternal loop.
8. Fixed problem of AOC and GPU temperatures disappearing if BMC is reset.
9. Fixed failure of VM mount in 0.11.25.
10. Fixed problem of users being deleted after BMC is reset to factory default preserving user in 0.11.24.
11. Fixed issue with display of EC or backplane CPLD firmware version.
12. Added Current interface property on Redfish iKVM.
13. Fixed OData type on syslockdown.
14. Fixed problem of Multi-node EC Update staying in Update Mode.
15. Fixed failure of CPLD update using tool.

16. Fixed Redfish patch response for 302 status code.

17. Fixed problem of duplicated system Ethernet interface displaying in Redfish and missing MAC in Web UI network AOC for AOC-S100G-m2C and AOC-A25G-M2SM.

18. Fixed inability of SMCIPMITool to launch KVM.

19. Fixed problem of directory webpage hanging while using OOB license.

20. Fixed missing unique password.

21. Added support for MCTP over PCIe for Broadcom storage controller, and fixed failure of storage monitoring to show drive information, missing temperature of 3816 on SYS-220BT/620BT-D series, malfunction of Blink HDD device feature, Broadcom controller information on WebGUI, missing SATA SSD information in IPMI Storage Monitoring Tab, problem of garbage information displaying in IPMI Storage Controller Tab, ability of SAS on RSC to reach 97C at room temperature, missing HDD Temp sensor with LSI3808 without HDD, and failure of ON/OFF test due to lost sensor reading.