

## BMC Firmware Release Notes Form

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<b>Product Name</b>	<b>X13DEM</b>
<b>Release Version</b>	<b>1.01.03</b>
<b>Build Date</b>	<b>5/26/2023</b>
<b>Previous Version</b>	<b>1.00.29</b>
<b>Update Category</b>	<b>Recommended</b>
<b>Dependencies</b>	<b>None</b>
<b>Important Notes</b>	<b>None</b>
<b>Enhancements</b>	<ol style="list-style-type: none"><li>1. Redfish 2020.3 related feature [ENGINEERING] - X13 On-demand, Intel SDSi feature [ENGINEERING] - network enhancement feature [ENGINEERING] - MEL 1.05 and SEL 1.36 [154769] - Redfish automation test failed [150623] - The System Information test fail (Computer System:UUID is not AIOM LAN1 MAC,Processor:Current Clock Speed is abnormal) [153747] - The System Information test fail lack the Processor:Current Clock Speed(MHz)</li><li>2. [ENGINEERING] - Accepted IP access control with prefix 0.</li><li>3. [ENGINEERING] - Modified the data length check of OOB preserve command - 0x30 0xA0 0x15.</li><li>4. [ENGINEERING] - correct UUID format.</li><li>5. [ENGINEERING] - Supports Motherboard CPLD Golden Image Version Display.</li><li>6. [ENGINEERING] - Supports Motherboard CPLD Golden Image Update.</li><li>7. [ENGINEERING] - Task Queue &amp; Task List.</li><li>8. [ENGINEERING] - Network Setting Page Can Now Save With Only 1 Dedicated LAN Speed Capability.</li><li>9. [ENGINEERING] - Auto Daylight Saving Time.</li><li>10. [ENGINEERING] - supports HBM sensor reading for NVIDIA GPU H100.</li><li>11. [ENGINEERING] - Retrieve BIOS version from 'OFID'.</li><li>12. [ENGINEERING] - supports BPN-NVME5-HS119N-S4R, 1U4system, SYS-121H-TNR</li></ol>
<b>New features</b>	

**Fixes**

1. Fixed: [151306] - KVM launched and closed MEL should display user ID.
2. Fixed: [155558] – SystemLockdown: System Lockdown Storage Monitoring Physical View buttons: enabled, while drive selection: disabled.
3. Fixed: [155719] - [Redfish] expect length of ServiceAddresses to be 1 but it was actually 3.
4. Fixed: [151836] - change BIOS password failed.
5. Fixed: [155235] - MEL Log msg was incorrect when configure Syslog.  
[155473] - Saving Syslog produces MEL even when there were no changes in the values.
6. Fixed: [155582] - Chassis intrusion Reset button not grey out when System Lockdown Mode is on.
7. [ENGINEERING] - AOC-S25G-m2S sensor temp dropped.
8. Fixed: [155311] - [Kioxia CM7-R] [BMC: 01.00.35] IPMI Storage Monitoring is missing Link Speed and Port 0 Max Link Speed/Width.
9. Fixed: [154780] - [Seamless Update 1.0a] There was an unnecessary BMC Maintenance Event Log when MCU Capsule downgrade.
10. Fixed: [ENGINEERING] - NIC health transition event logs during DC on/off
11. Fixed: [153730] - IPMIWEB power consumption reading was lower than real power consumption.
12. Fixed: [151898] - AOC-X2522P-25G missing info on GUI.
13. Fixed: [152548] - AOC-E810-2CQDA2 Info and Temperature Sensor Missing.
14. Fixed: [153444] - Incorrect MEL "SMTP User Name was configured to successfully".
15. Fixed: [152652] - AD related MEL should not be shown when setting up LDAP and Radius.
16. Fixed: [153458] - Clearing BMC maintenance event log via IPMICFG would also delete all SEL records.
17. Fixed: [152538] [AOC-SLG4-2H8M2]AOC-SLG4-8H2M2 BIOS boot mode was incorrect on Storage Monitoring.
18. Fixed: [152354] - Failed to update SAS3808.
19. Fixed: [152345] - NVIDIA A40 GPU Part Number Missing in IPMI Web GUI GPU Page
20. Fixed: [152143] - Task list event log (Disk number) was incorrect when used Storage monitoring to turn off (unblink) NVMe backplane LED.
21. Fixed: [152165] - Unable to delete User Name under SMTP once filled it in.
22. Fixed: [152087] – Did not translate English to the language in use.
23. Fixed: [152161] - DNS server IP became 0 when saving it as empty.
24. Fixed: [150188] – Did Not clear Mel generated after setting hostname to blank and save.
25. Fixed: [151762] - Virtual Media page will be blank after clicking Mount button for many times and relaunching.
26. Fixed: [156020] - Unable to close popup window under System lockdown mode.
27. Fixed: [152652] - [MEL-0028] AD related MEL should not be shown when setting up LDAP and Radius.
28. Fixed: [156022] User was able to click delete button on system lockdown mode.

	<p>29. Fixed [155359] - Webgui crashed after uploading product key with invalid file.</p> <p>30. Fixed: [156012] - IP changed after running raw command.</p> <p>31. Fixed ipmi lan set ipsrc for dhcp to static ip missing.</p> <p>32. Fixed SDSi cpu index mismatchx.</p> <p>33. Fixed [157004] - Unable to enable AOC-S3908L-H8IR-32DD JBOD mode via BMC web GUI.</p> <p>34. Fixed [157100] – For buttons and icons of Virtual Media page to operate while System Lockdown is enabled.</p> <p>35. Fixed: [156892] - [IPMI ECO 01.01.01] Redfish automtion test failed, [154769] - Redfish automation test failed [156925] - [IPMI ECO 01.01.02] Redfish automtion test failed. [156146] - SATC Redfish Automation Test Failed [156900] - Redfish automation test failed.</p> <p>36. Fixed [155145] - With HBM CPU, only partial memory modules were listed in IPMI Web GUI memory info.</p> <p>37. Fixed [156778] - BMC GUI sensor arrangement order was not stable.</p>
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**Release Notes from Previous Release(s)**

**1.00.29 (02/01/2023)**

**The enhancements include the following:**

1. When NTP is disabled, the user cannot modify the timezone from Web.

**New Features include the following:**

2. Added the network AOC inserted WebUI.
3. Added Redfish method to set BMC LAN interface.

**Fixes include the following items:**

1. Removed rollback ID configuration page. Rollback ID always updates during the firmware update.
2. Supported Xilinx U250 GPU Support GPU NVIDIA L4 PCIe Card.
3. Lost PFR image version on the Web.
4. Network AOC Health status is abnormal on BMC web GUI.
5. Shouldn't allow the user to input an invalid value as DNS server IP.
6. The 'ON' string with UID enable button is not middle aligned.
7. DIMM sensor readings on IPMI do not update.
8. Updated to support AOC-S25G6-m2SM.
9. No physical drive info and controller view on IPMI.
10. Set Max Power to 2400W.
11. Fixed PCI SERR and OS Kernel Panic during IPMI 1.00.18 BMC update.
12. SOL text is shown incorrectly on the BH12SSi platform.
13. The "Duplicated Data" prompt message does not correspond to the selected "Policy"(ACCEPT/DROP).
14. The fixed Content-Length value is different from the Message Body length.
15. The response is incorrect when clearing IPv6 null address via SMCIPMITool.
16. BMC can't get the correct NIC healthy.

17. Fixed the Network AOC page with two AIOMs.
18. BMC not displaying a capacity for Kioxia CD6 drive in BMC WebGUI.
19. Fixed HTTP message format error at X13 and X12 Redfish (/redfish/{string}.IKVM).
20. No MEL is generated when attempting to log in with the wrong password on the Web.
21. It should not pop up a warning message when adding a different "Policy" with the same IP/Prefix Length.
22. The password for the factory setting should be a unique password.
23. The frame of the "SNMPv2" help window is not complete on the right-hand side (Japanese).
24. Returned two JSON data and caused an error reply at H12 redfish (/redfish/v1/AccountService/Accounts/{num}).
25. Fixed the wrong BPN CPLD version on the firmware upgrade web page.
26. Fixed some incorrect Event log timezone that did not follow the latest MEL SPEC.
27. 1U Slot 1 should be controlled by FAN Zone 1 and Zone 2.
28. Enabled StatelessAddressAutoConfig in Redfish ethernet interface.
29. Set the HTML5 console as the default selection.
30. IPv6 auto-config option will be enabled after setting other network parameters.
31. Storage Monitoring only shows eight drives in Overview.
32. New - Added support for AOC-SLG4-2H8M2, AOC-S3808L-L8IR, and AOC-S3816L-L16IR.
33. Fixed the change BIOS password fail.
34. Avoided path traversal payload download/delete files.
35. It should be forbidden to input decimal point values at "Host IP Address".
36. Username should not allow "!", which does not match with spec.
37. "Duplicated rule" prompt message and behavior are not the same as X12 UI SPEC defines.
38. Prevent unspecified and loopback addresses from being added to static IPv6 addresses.
39. SMCIPMITool and Web have different naming for power supply in inventory items.
40. Doesn't show any popup message when pressing down reload button without BMC configuration file.
41. LAN Share does not work when the AIOM card disables AUX power under S5.
42. Upgraded X13 crashdump version to 2.0.2.
43. The Health Event Log (SEL Version, Free Space, Recent Added/Erased time) is empty.
44. The user and source of MEL should not show "N/A" after the VM mount image.
45. Half of the IPMI WebGUI Remote Console shows in PXE.
46. Extended the size limitation of certificate and key files.
47. FD Reset ADMIN/ADMIN does not work after UID Button 12s Factory. [151244] - FD Reset ADMIN/ADMIN does not work after Factory Default Reset.
48. AOC-653105A-HDAT and AOC-MCX515A-CCAT can't detect PN and SN under BMC Web.
49. Newly added link IPV6 addresses are unavailable.
50. The HELP page's Introduction about Remote Control is incorrect.
51. Reset BMC for new SSL certificate to take effect.
52. WebGUI AIOM temp shown is not supported on the Network AOC page but is shown on the Sensor page.
53. Clicking the Power switch on the top right side will wrongly clear the preservation selection.
54. NVMe VPD is missing on many slots.
55. Error message for a port save without changes.

56. After changing the syslog server with an illegal one, it should not show a Warning message.
57. CPU is in yellow Health Status after flashing IPMI FW 1.00.28. [151970] - "System" tab on the IPMI WebGUI keeps turning yellow during the "On/Off" test, though only on IPMI version 01.00.28.
58. BMC 1.02.55 failed to auto-switch SAS controller i2c mode into PCIe mode. [151831] - IPMI does not recognize AOC-S3908L-H8iR-16DD due to the OOB protocol auto-switch not being functional.
59. Confirmed Help page link naming.
60. IPMI config Web session is not saved.
61. MEL is unclear when saving the hostname.
62. Supported SAS3808 or SAS3816 BIOS update through IPMI WebGUI.
63. BMC WebGUI reporting link speed as 16GT/s for PCIe Gen 5 device instead of 32GT/s.
64. All Sensors drop during DC On/Off testing.
65. BMC 1.00.25 failed to auto-switch SAS controller i2c mode into PCIe mode.

### **1.00.18 (10/31/2022)**

1. Added the M.2 link speed in the webGUI storage monitoring physical view of the SAS Storage configuration tab.
2. Added power feedback for X13DEM FAN sensor.
3. Added the network firmware update model on the webGUI.
4. Removed the system NIC (Systemslot, port) event description.
5. Fixed the following issues:
  - a. SNMP Authentication and Encryption key length maximum does not meet requirement.
  - b. Incorrect MEL after setting SMTP User Name.
6. Enabled the AIOM "AOC-ATG-i2TM" Healthy Status to follow the PLDM specification check.
7. Fixed an error message ("Invalid file type!") after uploading the bin type.
8. Fixed the configuration backward compatibility issue in 01.02.40.
9. Fixed the BMC showing two AOC\_NIC1 and one AOC\_NIC2 temperature when the AOC is installed in slots 1, 3, and 7.
10. Set the correct maximum alert count to 15.
11. Fixed the order of the AOC temperature sensors.
12. Fixed the BPN CPLD update failure in 01.00.08.
13. Changed the IPMI configuration message.
14. Disabled redirecting to the ports page when launching SOL.
15. Synchronized the MEL when the VM setting or port is changed.
16. Modified the AD Account with sAMAccountName.
17. Fixed the HTML5 web console failure to launch after reset.
18. Fixed the NTP setting not synchronizing after the BMC reboot when an invalid NTP server is set.
19. Fixed the abnormal behavior on the MEL page if logged in an unusual way.
20. Checked the "BMC HDD Blink LED"(AOC-S3916L-H16iR-32DD) process time.
21. Prevented "Enable Smart Power Event Log" from showing up in unsupported platforms.
22. Enabled the power page display when going from the Smart Power page to the Power page.
23. Fixed the Redfish automation test failure.
24. Enabled the authentication dialog when the BMC web times out.
25. Fixed the following:
  - a. Inaccurate MEL after setting Community String of SNMPv2 to empty.
  - b. Manual recover event log is not following the latest MEL SPEC.
26. Enabled the error message after modifying the Web port and the Web SSL port.
27. Fixed the BIOS ECO automation tests failure.
28. Fixed the IPMI Web DHCPv6 check failure.
29. Fixed the following issues:

- a. *Empty or out-of-range VLAN ID is not allowed now.*
- b. *"VLAN ID" should be disallow set to empty.*
- 30. *Cleared the MEL when the Alert's subject is empty.*
- 31. *Fixed an inaccurate hint when setting Authentication key and Encryption key with a space.*
- 32. *Added support for MEL to do PFR authentication.*
- 33. *Enabled the ability to set the Community String of SNMPv2 back to empty once set with a value "".*
- 34. *Fixed an error message occurring after modifying and saving the Host IP Address.*
- 35. *Fixed the "VLAN ID" default value should be preset to 1 not 0.*
- 36. *Fixed the IPv6 format error in test case 122 on the X13DSF-A.*
- 37. *Fixed the default number being set to 623 when saving "IPMI LAN" port to 65535.*
- 38. *Fixed the following:*
  - a. *AOC-S3916L-H16iR-32DD does not support mixing SSD and HDD drive/ 512B and 4KB sector size HDD to create RAID.*
  - b. *Added sector size checking in the RAID creation function.*
- 39. *Enabled the Help window to show a message when there is no "License Activation" key.*
- 40. *Modified the IPMI LAN port to show the MEL correctly.*
- 41. *Modified the SSH port to show the MEL correctly.*
- 42. *Modified the IKVM port to show the MEL correctly.*
- 43. *Modified the SNMP port to show the MEL correctly.*
- 44. *Enabled the Login screen to show the "eye-icon" button to view the password.*
- 45. *Fixed the IPMI Web - Network page "DHCPv6" check failure.*
- 46. *Enabled the warning message for RAID HDD type mixing.*
- 47. *Fixed the automation test failure.*
- 48. *Removed the license key check in the system troubleshooting webUI page.*
- 49. *Fixed the LED blinking and unblinking action.*
- 50. *Fixed the error message and MELs.*
- 51. *Enabled the "Hostname" field to support more than a~z, A~Z and 0~9 chars at the Network page.*
- 52. *Disabled some attributes from being preserved after reloading IPMI configuration.*
- 53. *Fixed the Redfish automation failure.*
- 54. *Fixed the following:*
  - a. *Executed the command "-c SystemPFA --action 2" to change PFA to Enable but PFA status is still disabled.*
  - b. *- system pfa cannot be set with bios setup template 0.9.*
- 55. *Fixed the IPv4/IPv6 to show the appropriate setting when logged in with "User" privileges.*
- 56. *Fixed the user account with character "&" unable to reload after IPMI configuration restore.*
- 57. *Fixed the test "MemoryHealthCheck" and the message "Stdout should contain "The current memory health checking is Enabled"" when executing test cases 283, 376, and 478.*
- 58. *Fixed NIC events log about "Health transition to Normal from Unknown."*
- 59. *Fixed the missing BMC load Factory Default the event log.*
- 60. *Fixed the 500 Internal error at CertificateService.GenerateCSR Redfish API.*
- 61. *Changed the response data of the IPMI OEM command and get the OTP board serial number to align with the new IPMI command format.*
- 62. *Integrated a new DDR4 driver to improve timing and signal quality in AST2600.*
- 63. *Updated the network hostname format.*
- 64. *Fixed the AOC-S100GC-i2C AOC NIC slot sensor not matching with the system slot location.*
- 65. *Fixed the webGUI rounding a decimal value to an integer value for the Host IP.*

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*Product Manager*

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*Date*