

BMC Firmware Release Notes

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Product Name	X13SEFR-A
Release Version	1.01.11
Build Date	08/25/2023
Previous Version	1.00.31
Update Category	Recommended
Dependencies	None
Important Notes	None
Enhancements	<ol style="list-style-type: none">1. Merged power consumption daemon from SW code base.2. Fixed incorrect MEL resources for CPLD Update GD.3. When KVM is launched and closed, MEL will now display user ID.
New features	<ol style="list-style-type: none">1. Added Auto Daylight Saving Time2. Added Dark Theme update3. Added Redfish 2020.3 related features. X13 On-demand, Intel SDSi features, network enhancement feature, MEL 1.05, and SEL 1.36.4. Added Support for fixed boot order.5. Added Task Queue & Task List.6. Upgraded the EnternetInterface version from v1.6.2 to v1.6.3 to align with spec.

Fixes

1. "Export to Excel" button is now translated to Simplified Chinese and Japanese in the Sensor page.
2. "Number" is now translated to Simplified Chinese and Japanese in the Virtual Media page.
3. Fixed BIOS automation TC 5006 fail.
4. Fixed AD related MEL not showing up when setting up LDAP and Radius.
5. Added Security States Monitoring in Redfish.
6. Clearing BMC maintenance event log via IPMICFG will also delete all SEL records.
7. Corrected UUID format.
8. DHCP dns option now generates MEL.
9. Fixed "background-color" of input field on both "Network" and "Port" tabs being the same as the page background.
10. Fixed "Enable TSIG Authentication" switcher not being disabled when DDNS is off.
11. Fixed abnormal System Information Computer System:UUID and Processor:Current Clock Speed.
12. Fixed accepting IP access control with prefix 0.
13. Fixed AOC-E810-2CQDA2 Info and Temperature Sensor missing
14. Fixed AOC-S25G-m2S sensor temp drop.
15. Fixed Authentication Protocol and Encryption Protocol Range setting not matching Wiki SPEC (each field 1.32) for SNMPv3.
16. Fixed Auto Daylight Savings Time switcher not being disabled with Operator and User privileges.
17. Fixed being able to click delete button under System Lockdown mode.
18. Fixed BMC GUI "System Health" status not changing to critical condition when a system fan fails.
19. Fixed buttons and icons of the Virtual Media page being usable under System Lockdown mode.

20. Fixed changing BIOS password fail
21. Fixed content loss and incorrect Share LAN when set option to "Shared-AIOM2", "Shared-AOC", or "Shared-AIOM1."
22. Fixed display of a prompt window similar to the one for switching on Lockdown Mode.
23. Fixed DMTF validator failure.
24. Fixed DMTF/Redfish standard API support test failed.
25. Fixed Dynamic DNS Server Address default value not matching with each field definition.
26. Fixed error message not appearing when uploading XML file during BIOS update.
27. Fixed expected length of ServiceAddresses being 1 when it is actually 3.
28. Fixed Failed Login Attempt Lockout Threshold radio buttons not being disabled with Operator and User privileges.
29. Fixed failure to display IPv6 link local address.
30. Fixed failure to upload valid TSIG files.
31. Fixed Hostname update/remove having a duplicate record in MEL.
32. Fixed how performing the "-lani 0" command will show the error message "Failed to set the LAN interface. Completion Code=FFh."
33. Fixed iKVM default setting not being HTML5 after factory default.
34. Fixed inability to close popup window under System Lockdown mode.
35. Fixed inability to disable Dynamic DNS if TSIG is enabled.
36. Fixed incorrect error message when launching more than 4 iKVM sessions.
37. Fixed incorrect MEL "SMTP User Name was configured to successfully."

38. Fixed incorrect MEL Log msg when configuring Syslog. Fixed saving Syslog producing MEL even when there are no changes in the values.
39. Fixed incorrect MEL when disabling Host Interface.
40. Fixed IP Access Control page being able to be edited/deleted with User privileges.
41. Fixed IP change after running raw command.
42. Fixed ipmi lan set ipsrc for dhcp to static ip missing.
43. Fixed IPMI WebGUI main menu ordered incorrectly in Safari.
44. Fixed LLDP page not being translated to selected language.
45. Fixed Login UI display abnormality after performing Factory Default.
46. Fixed login with RADIUS account.
47. Fixed NIC health transition event logs during DC on/off.
48. Fixed no CPLD/BPN ID and Rev in Storage Monitoring — Overview page.
49. Fixed not blocking download of BIOS/BMC Evidence with No License.
50. Fixed Operator Health Event Log Advanced Settings disabled; License Activation Upload button enabled for admin even when no private key file is selected.
51. Fixed order of LAN Interface on WebGUI not follow spec.
52. Fixed Power State icon not refreshing after power cycle complete.
53. Fixed Radius packet not following RFC3164.
54. Fixed SecureErase on 3808 fail.
55. Fixed sensors changing abnormally once sensor type category is selected
56. Fixed Shared LAN only SUT displaying Failover and Failover-Onboard radio buttons on the WebGUI.

57. Fixed some functions of Account Services/Network/BMC Settings being configurable with User privileges.
58. Fixed SUM fail because of NTP information not matching after preserving update IPMI FW. Fixed BMC IP changing after executing SMCIPMITool "ipmi raw 30 42." Fixed call setLANModeCommand fail.
59. Fixed System Lockdown, Date and Time, and Auto Daylights Savings Time switches is not disabled while under Lockdown Mode.
60. Fixed System Lockdown, Storage Monitoring, and Physical View buttons being enabled while drive selection is disabled.
61. Fixed unnecessary BMC Maintenance Event Log when MCU Capsule is downgraded.
62. Fixed unstable BMC GUI sensor arrangement order.
63. Fixed User being able to enter only 63 characters for SNMPv3 Authentication Key and Encryption Key.
64. Fixed Username string length only supporting up to 16 characters instead of 31 for SNMPv3.
65. Fixed Virtual Media Checkbox and Connect icon style not following spec.
66. Fixed Virtual Media displaying "This function requires SFT-OOB-LIC license!" tip with activated DCMS and OOB keys.
67. Fixed Virtual Media not saving valid IPv6 address with port.
68. Fixed Virtual Media OEM command issue.
69. Fixed VLAN Tagging test fail.
70. Fixed WebGUI crash after uploading product key with invalid file.
71. Network Setting page can now save with only one Dedicated LAN Speed capability.
72. Now blocks reserved address when patching IPv6StaticAddresses property of EthernetInterfaces.

73. With AOC-ATG-b2TM, fixed NIC FW update hanging on upload when using latest BMC FW.

74. With HBM CPU, fixed only partial memory modules listed in IPMI Web GUI memory info.

Release Notes from Previous Release(s)

1.00.31 (2/17/2023)

1. Added HotSpare in Redfish API and WEBUI.
2. Share LAN does not work when the AIOM card disables AUX power under S5.
3. Upgraded X13 crashdump version to 2.0.2.
4. The health event log (SEL Version, Free Space, Recent Added /Erased time is empty).
5. User and source of MEL should not show N/A after VM mount image.
6. Half of IPMI Web GUI Remote Console showing in PXE.
7. Extended the size limitation of the certificate and key files.
8. Removed the rollback ID configuration page. Rollback ID always updates when the firmware updates.
9. Lost PFR image version on the web.
10. Network AOC Health status abnormal on the BMC web GUI.
11. 'ON' string with UID enable button is not middle aligned.
12. DIMM sensor readings on IPMI do not update.
13. No physical drives info and controller view on IPMI.
14. PCI SERR & OS Kernel Panic during IPMI 1.00.18 BMC update.
15. SOL text is shown incorrectly on the BH12SSi platform.
16. "Duplicated Data" prompt message is not corresponding on selected "Policy"(ACCEPT/DROP).
17. Fix Content-Length value is different from the Message Body length.
18. Response is incorrect when clearing the IPv6 null address via smcipmitool.
19. BMC can't get correct the health status of the NIC.
20. Fixed the Network AOC page with two AIOMs.
21. Error HTTP message format at X13 and X12 Redfish (/redfish/{string}.IKVM).
22. No MEL is generated when attempting to log in with the wrong password on the Web.
23. A warning message should not pop up when adding a different "Policy" with the same IP/Prefix Length.
24. Content-Length value is different from the Message Body length.
25. The password for factory setting should be a unique password.
26. The frame of the "SNMPv2" help window is not complete at the right-hand side (Japanese).
27. Return two json data and cause error reply at H12 redfish (/redfish/v1/AccountService/Accounts/{num}).
28. Fixed the wrong BPN CPLD version on the firmware upgrade web page.
29. Fixed some Event Log time zone is incorrect and does not follow the latest MEL spec.
30. When NTP is disabled, the user cannot modify the time zone from the Web.
31. Enable Stateless Address Auto Config in the Redfish ethernet interface.
32. Set HTML5 console as the default selection.
33. IPv6 auto config option will be enabled after setting other network parameters.
34. Support Motherboard CPLD Golden Image Version Display.
35. Support Motherboard CPLD Golden Image Update.

36. Redfish BIOS Configuration displays "Failed to execute command completion code 500 Failed."
37. Task list event log (Disk number) is incorrect when using Storage monitoring to turn off (unblink) the NVMe backplane LED.
38. Unable to delete a username under SMTP once filled in.
39. Abnormal behavior when mounting ISO image.
40. Doesn't translate English to the language in use.
41. DNS server IP becomes 0 when saving it as empty.
42. Not clear Mel generated after setting the hostname blank and saving it.
43. Virtual Media page will be blank after clicking Mount button for many times and relaunching.
44. LAB combined ECO automation test failed.
45. Port save without changes error message.
46. Should not show warning message after changing syslog server with an illegal syslog server.
47. CPU In the Yellow Health Status after flashing IPMI FW 1.00.28. The System tab on the IPMI web GUI keeps turning yellow during "On/Off" test only on IPMI version 01.00.28.
48. BMC 1.02.55 failed to automatically switch the SAS controller i2c mode into PCIe mode. AOC-S3908L-H8iR-16DD is not recognized by the IPMI due to OOB protocol auto switch not being functional.
49. Help page link naming confirm.
50. IPMI config web session not saved.
51. Not clear MEL when saving the hostname.
52. BMC web GUI reporting link speed as 16GT/s for PCIe Gen 5 device instead of 32GT/s.
53. Failed to power off under the Power Control page.
54. All Sensors dropped during DC On/Off testing.
55. BMC 1.00.25 failed to automatically switching the SAS controller i2c mode into PCIe mode.
56. FatTwin right BPN display failed.
57. Web GUI AIOM temp shows not supported on the Network AOC page, but is good on the Sensor page.
58. Wrongly clear preservation selection while clicking Power switch on the top right side.
59. FD Reset ADMIN/ADMIN does not work after UID Button 12s factory reset. FD Reset ADMIN/ADMIN does not work after factory default reset.
60. AOC-653105A-HDAT and AOC-MCX515A-CCAT can't detected PN and SN under the BMC Web.
61. Newly added link IPV6 addresses are unavailable.
62. Multi Node attribute 'POST CODE' is wrong when translated to Japanese and Simple Chinese.
63. The introduction about Remote Control is incorrect in the HELP page.
64. BMC reset for new SSL certificate to take effect.
65. Make FatTwin display correctly.
66. [AOC-SLG4-2H8M2] AOC-SLG4-8H2M2 BIOS boot mode is incorrect on Storage Monitoring.
67. AB combined ECO automation test failed. Redfish Automation test failed.

1.00.19 (11/17/2022)

1. Fixed the 500 Internal Error in the CertificateService.GenerateCSR Redfish API.
2. Fixed the response data of the IPMI OEM command and aligned the OTP board serial number to match with the new IPMI command format.
3. Updated the network hostname format.
4. Fixed the Web GUI rounding the decimal value to an integer value for the Host IP address.
5. Fixed the following issues:
 - a.) Applied common issues reported in other projects.

- b.) Disabled "IMG/IMA Image" function once "ISO Image" already mounted on same Device.
 - c.) Disallowed input decimal point value at "Host IP Address."
 - d.) Fixed mounting ISO failure behavior while clicking on "Failure message."
 - e.) Disallowed the input .(dot) when setting service port number.
 - f.) Fixed the MEL "Smart Power event log was configured to disabled successfully" after modifying health event log Advanced settings.
 - g.) Fixed an incorrect MEL after changing the Rollback ID setting.
 - h.) Fixed updating the NIC shows target fail in the WEBUI.
 - i.) Fixed abnormal behavior when visiting another page and then back to the Network page.
 - j.) Fixed an extra space in the error message "Failed Login Counter Reset value cannot be greater than Account Lockout Duration."
 - k.) Incorrect MEL after saving network page.
 - l.) Fixed the severity when the license key uploaded unsuccessfully.
 - m.) Added support for NVIDIA A800 80GB.
6. Fixed abnormal behavior after generating more than 2076 health event log and mark/clean is acknowledged.
 7. Removed System NIC (Systemslot, port) event description.
 8. Fixed the following issues:
 - a.) Disallow the user to enter a space when modifying the User's SNMPv3 Encryption key and Authentication Key.
 - b.) Fixed the descriptions on MEL page not having an event ID.
 - c.) Added an asterisk * next to the blank if the field is required.
 9. Fixed the severity being green when an image is mounted unsuccessfully.
 10. Fixed the many NIC events log about "Health transition to Normal from Unknown."
 11. Added support for AOC-SLG4-2H8M2, AOC-S3808L-L8IR, and AOC-S3816L-L16IR.
 12. Fixed SATC Redfish Automation test failure.
 13. Fixed the BIOS password failure.
 14. Removed path traversal when doing payload download or deleting files.
 15. Added the network AOC is inserted in the Web UI.
 16. Added a Redfish method to set BMC LAN interface.
 17. Disallowed input decimal point value at "Host IP Address."
 18. Username should not allow "!" according to specifications.
 19. "Duplicated rule" prompt message and behavior is not same as X12 UI specification.
 20. Prevented unspecified address and loopback address from being added to the static IPv6 addresses.
 21. SMCIPMITOOLIPMITOOL and WEB have different naming of the power supplies in the inventory list.

22. Remove display of any popup message when clicking the reload button without a BMC configuration file.

Product Manager

Date