IPMI Firmware / BIOS Release Notes Form

Product Name	**H13SSH**
Release Version	**01.03.34**
Release Date	**11/12/2024**
Previous Version	**01.03.31**
Update Category	**Recommend**
Dependencies	**N/A**
Important Notes	**ECO # 30857** **BMC_H13AST2600-ROT20-E401MS_20241112_01.03.34_STDsp.bin** **BMC_H13AST2600-ROT20-E401MS_20241112_01.03.34_STD.zip** **Please update IPMI with attached Flash Utility in package.**
Enhancements	1. **Support Redfish standard API /redfish/v1/LicenseService** 2. **support up to 4x SAS controller**
New features	**N/A**
Fixes	1. **Web UI -- IPMI Configuration Prompt Message Does Not Match the Specification** 2. **iKVM -- Informative message for Maximum open sessions does not align with the SPEC** 3. **Fix /redfish/v1/Chassis/1/Assembly return 404** 4. **iKVM power cycle action won\'t generate MEL** 5. **Fix System - Storage Monitoring - Logical View doesn\'t display Slot , state, capacity, Strip** 6. **Modify LicenseService support platform** 7. **Redfish and SMTP test event is inconsistent between HW1 and SW** 8. **Missing CXL device information in BMC storage page**

Release Notes from Previous Release(s)

01.03.31 (10/15/2024)
1. Replace Model of redfish/v1/Managers/1
2. Add ldap RFC2307bis support.
3. HTML5 and IKVM unstable in BMC 01.03.24 - 01.03.25
4. M2_SSDx Temp reading is missing
5. Update SEL Spec 1.39
6. Update MEL Spec 1.08
7. Host Interface is OFF by default
8. Only one Access Mode of SNMPv2 was set, yet an unrelated MEL log was still generated when deleting
9. SuperDiag GPU detection result is failed
10. IPv6 AutoConfiguration was disabled successfully." always followed after changing lan interface.
11. Web UI - Input Invalid Sender\'s Address Shows Different Error Tips in SW vs. HW1
12. WebGUI update CPLD test Fail [185421] - Redfish Automation test 1 TC failed
13. Operator Permission on Virtual Media mount causes session time out

14. Add static IPv6 address by ipmi raw 30 68 09, check in Dashboard somehow get unexpected IPv6 Address
15. IPMITool - Raw get/set/reset watchdog timer with invalid data length
16. New DCM node failed under on H13SSF-P
17. MEL for SNMP error
18. IPMITool - Get channel payload support for valid/invalid channel fail; IPMITool - Set/Get user access payload for invalid channel fail; IPMITool - Set/Get user access payload for invalid user fail; IPMITool - Raw write Fru data fail; IPMITool - Set Management Controller Identifier String Raw Command discrepancy
19. [GUI] Error tips with IPv4 Address keep showing even input value is be changed to valid by switching back to Auto Obtain IP
20. Web_Func_Web session doesnt timeout afterset value & Web Session doesn't timeout when reaching the set value
21. IPMITool - Raw activate payload response discrepancy; IPMITool - Raw Set LAN Configuration Parameters -> IP Address Source fail for LBMC; IPMITool - Raw get 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
22. Redfish -- TemperatureCelsius is null when execute Get /redfish/v1/Systems/1/Memory/num/EnvironmentMetrics
23. [SMCIPMITOOL] After 'ipmi delsdr', the deleted sensor doesn't show on BMC web but show status: Fail with 'ipmi sensor'

01.03.21 (08/29/2024)
1. Redfish should allow external account service password length more than 20
2. High temperature management of BlueField-3
3. Adjust smartnic url index
4. Add smartnic related schema
5. Fix SmartNIC update button duplicate issue and word display
6. Fix Host Interface cannot be restored after reloading ipmi configuration
7. When set static IPv6 Address to empty, set any Prefix Length will be reverted to blank after save
8. Preserve SSL certificate fail when updating BMC FW
9. AC on off 200 times test failed.
10. The "Disable KCS" option on the web GUI is missing a space
11. Fix operator privilege unable to modify AC Power On Event Log button and FIFO Event Log button in HEL page. Fix - Error occurred when switching on/off "Enable AC Power On Event Log" and "Enable FIFO Event Log". Fix - Advanced Settings status cannot be changed Operator privilege Health Event Log successfully. Fix- Advanced Settings status cannot be changed successfully
12. Fix raw get channel authentication capabilities with invalid data length [183388] - IPMITool - Get device id with invalid data length. Fix- IPMITool - Cold Reset With Invalid Data Request. Fix - IPMITool - get chassis capabilities with invalid data length
13. Temperature Sensor Display as Drive Slot
14. Fix Web -- Hostname field behavior is not follow SW-PM definition when input over 63 characters. Fix- Hostname field behavior is not follow SW-PM definition when input over 63 characters.
15. The SOL feature was retired in 2023 H2 at h12
16. Fix keeping loading on the Task List page with Safari browser. Fix- Keeping loading on the BMC Reset page with Safari browser. Fix - Keeping loading on the BMC Settings page with Safari browser. Fix - Keeping loading on the Account Services page with Safari browser. Fix - Keeping loading on the page with Safari browser.
17. Error tips with IPv4 Address keep showing even input value is be changed to valid by switching back to Auto Obtain IP
18. Fix Hostname field behavior is not follow SW-PM definition when input over 63 characters. Fix - Hostname field behavior is not follow SW-PM definition when input over 63 characters.
19. Add static IPv6 address by raw command (0x30 0x68 0x09), when more than 6 addresses, expected to get different return from BMC/SMCIPMITOOL. Fix- Stateful IPv6 Mode in Auto Configuration Does Not Match Specification
20. Update invalid BIOS file on BMC web, error return is not user readable PASS
21. FlashBIOS fail after modify SMBIOS data.
22. No BIOS & BMC option for Inventory Recover when no License key is activated

01.03.09 (06/10/2024)
1. Support AMD VPU(Video Processing Unit) MA350
2. Support AOC-E810-XXVDA4
3. Upgrade SEL to 1.38 and merge sel search method to one function.
4. Upgrade MEL to 1.07 and Add MEL 70&368.
5. Redfish support BMC each field v1.33/ v1.34.
6. Support AOC-S400G-B1C.
7. Support NIC CPLD update.
8. Support new feature Each Field v1.33.
9. Support Redfish Upgrade 2021.2, RF1.14.
10. Added RSA2048 key for license server from new IT HSM.
11. Support Enhance help page for Java Ikvm to add OpenJdk information.
12. Upgrade SEL to 1.38 and merge sel search method to one function.
13. Upgrade MEL to 1.07 and Add MEL 70&368.

14. Support AOC-E810-XXVDA4.
15. Support new feature Each Field v1.33.
16. Missing LAN an Active Interface when setting Static IPv6.
17. Storage monitoring missing disk info.
18. Redfish Upgrade 2021.2, RF1.14.
19. Added RSA2048 key for license server from new IT HSM.
20. Enhance help page for Java Ikvm to add OpenJdk information.
21. Redfish support BMC each field v1.33/ v1.34.
22. Fix User is able to upload "TSIG .key" and "TSIG.private" with 0kb file on DDNS page.
23. Fix - Web Function -- It allow class D, E of IPv4 addresses for DNS Server IP setting.
24. Fix Fail to mount iso image with IPv6
25. Fix - MEL-0352 will generate even if non-modify SMTP 'Connection Protocol' and 'Authentication' setting.
26. Fix NVMe BP and AOC_NIC2 sensor lost when execute cburn-r87 DC onoff test item.
27. Fix missing LAN an Active Interface when setting Static IPv6.
28. Fix Bloomberg -- Redfish -- 404 return for NVMeSSD Drive URI.
29. Fix misspelled "necessary".
30. Fix Storage monitoring missing disk info.
31. Fix The power consumption from the BMC sensor readings cannot exceed 2044.
32. Fix filter out false VR fault alert on CPU2.
33. Fix Temperature CPU Temp | Upper Critical going high | Asserted | Reading -1 > Threshold -1 degrees C.
34. Fix EventService RedfishEvent Https allow self-signed CA.
35. Fix Redfish 2021.2 failed to GET /redfish/v1/UpdateService/FirmwareInventory/Backplane_1_CPLD_1.
36. Fix user is able to upload "TSIG .key" and "TSIG.private" with 0kb file on DDNS page.
37. Fix Web Function -- It allow class D, E of IPv4 addresses for DNS Server IP setting.
38. Fix Fail to mount iso image with IPv6.
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40. Fix NVMe BP and AOC_NIC2 sensor lost when execute cburn-r87 DC onoff test item.
41. Fix Bloomberg -- Redfish -- 404 return for NVMeSSD Drive URI.
42. Fix Misspelled "necessary".
43. Fix temperature CPU Temp | Upper Critical going high | Asserted | Reading -1 > Threshold -1 degrees C.
44. Fix EventService RedfishEvent Https allow self-signed CA.
45. Fix edfish 2021.2 failed to GET /redfish/v1/UpdateService/FirmwareInventory/Backplane_1_CPLD_1.

01.02.14 (01/23/2024)
1. The CPU sensor reading became "0" during DC on off stress
2. Prompt will now show in Redfish and Web GUI whenever RBID increase has been detected on uploaded firmware.
3. Enhance GPU Redfish API value.
4. RoT State changed to disabled after factory reset.
5. BMC Host Interface becomes "Disabled".
6. Added MEL after changed Host Interface "RNDIS Connection" or "CDC-ECM Connection".
7. Nvidia L40 GPU no sensor and information.
8. OpenJDK support.
9. Support NVIDIA RTX 4000 Ada, RTX 5000 Ada, RTX 6000 Ada.
10. Add Super Diagnostics Offline in Redfish.
11. Add Property "Product" for /redfish/v1.
12. Enable USB Lan 2 options feature (WEB).
13. Fix system can't eject any device when select all.
14. Fix need SW team to define BMC rules for all SKUs if missing 'CPU Temp'.
15. Fix Virtual Media SMB not support mount with port.
16. Fix PSU health status is abnormal when remove power cord.
17. Fix Sensor naming doesn't match the spec.
18. Fix Should not be able to set invalid ipv6 dns values using SMCIPMI Tool raw commands.
19. Toggling the system power will create repeated "Host FW password has been removed / auto-generated" entries in the MEL.
20. Fix string not match with LAN mode naming.
21. Fix Notifications(SNMP) in Help page is inconsistent with Actual WEB page.
22. Fix SUM -- Failed to Set LAN Auto Configuration DHCPv6Mode Configuration.
23. Fix Unable to load SMTP page.
24. Fix Redfish test fail on Check Account Service Accounts Method Privileges due to unexpect status code return.
25. Fix There is an extra backplane object on BMC "Firmware Management" page.
26. Fix Operator can not have Full Access to Event Log.
27. Fix PATH '/redfish/v1/Chassis/StorageBackplane/Drives/Disk.Bay.0' status code should be 405 but it is 400.
28. Fix MEL is incorrect when restore to factory default.

29. Fix Logging out with enabled SMTP alert will create three MEL entries.
30. Fix Null user test failed, created null users are not displayed on users page.
31. Fix SUM -- Failed to Set LAN Auto Configuration DHCPv6Mode Configuration.
32. Fix [MEL-0093] string not match with LAN Interface option naming.
33. Fix IPV6 -- Fail to set Alternative DNS server IP through SMCIPMITOOL.
34. Fix Validate Access with OOB and No License should switch to newer UI behavior.
35. Fix the X12X13_BMC_UI_Spec specification does not define the "Security Icon" and "Security Page"of ROT 2.0.
36. Fix Redfish Inconsistency.

01.01.23 (10/24/2023)
1. Hostname update/remove has duplicate record in MEL
2. Keep unique password when restore IPMI config
3. Perform the "-lani 0" command on X13DET-B will show the error message "Failed to set the LAN interface. Completion Code=FFh"
4. Redfish has 3 TC fails
5. Username string length only support to 16 not 31 for SNMPv3
6. "Edit" and "Connect" icon should be translated to Simplified Chinese and Japanese at Virtual Media page.
7. Some function of Account Services/Network/BMC Settings could be configurable by "User Privileges".
8. Keep unique password when restore IPMI config
9. Block reserved address when patching IPv6StaticAddresses property of EthernetInterfaces
10. AOC-S25GC-i2S thermal sensor will lose when execute dc onoff test item
11. User only can enter 63 characters for SNMPv3 Authentication Key and Encryption Key
12. IPMI ECO Automation tests Failure
13. Username string length only support to 16 not 31 for SNMPv3
14. Sensors changed abnormally once sensor type category is selected
15. The order of LAN Interface on WebUI not follow SPEC
16. Hot plug issue in both Windows and Linux OS
17. System hang on POST code "A2" after executing AC on/off

01.01.13 (08/31/2023)
1. Fix RMCP connection lost during SPM test
2. no U.2 NVMe temperature when install INTEL SSDPE2MD800G4
3. Connect button doesn?t work at Virtual Media page.
4. IPMI ECO redfish automation has 4 fails
5. VLAN Tagging test failed
6. IP Access Control page can be edited/deleted by user privileges

01.01.07 (07/10/2023)
1. Hostname update/remove has duplicate record in MEL
2. Keep unique password when restore IPMI config
3. Perform the "-lani 0" command on X13DET-B will show the error message "Failed to set the LAN interface. Completion Code=FFh"
4. Redfish has 3 TC fails
5. Username string length only support to 16 not 31 for SNMPv3
6. "Edit" and "Connect" icon should be translated to Simplified Chinese and Japanese at Virtual Media page.
7. Some function of Account Services/Network/BMC Settings could be configurable by "User Privileges".
8. Keep unique password when restore IPMI config
9. Block reserved address when patching IPv6StaticAddresses property of EthernetInterfaces
10. AOC-S25GC-i2S thermal sensor will lose when execute dc onoff test item
11. User only can enter 63 characters for SNMPv3 Authentication Key and Encryption Key
12. IPMI ECO Automation tests Failure
13. Username string length only support to 16 not 31 for SNMPv3
14. Sensors changed abnormally once sensor type category is selected
15. The order of LAN Interface on WebUI not follow SPEC
16. Hot plug issue in both Windows and Linux OS
17. System hang on POST code "A2" after executing AC on/off

01.01.06 (06/28/2023)
1.   AOC thermal sensor lose when run DC ON/OFF .
2.   IPMI ECO Automation tests Failure (TC4010)
3.   IPMI cannot detect the U250 sensor
4.   Fixed Login RADIUS account issue.
5.   IPMIECO Automation test failed (Networking)

6. During System Lockdown, Date and Time Auto Daylights Savings Time switch is not disabled when it should be.
7. "background-color" of input field on both "Network" and "Port" tabs are as same as page background.
8. Operator health event log advanced settings disabled; License activation Upload button enabled for admin even when no private key file is selected; and one more...
9. The content loss and incorrect of Share LAN when set option to "Shared-AIOM2" , " Shared-AOC" , " Shared-AIOM1".
10. "Enable TSIG Authentication" switcher doesn't disable when DDNS is off.
11. Failed Login Attempt Lockout Threshold radio buttons aren't all disabled for Operator and User privilege.
12. Power state ICON not refresh after power cycle complete.
13. Syslog packet not follow RFC3164

01.01.04 (06/09/2023)
1. Upgrade the EnternetInterface version from v1.6.2 to v1.6.3 to align spec.
2. Dark Theme update
3. Support new Intel PVC GPU (DID: 0x0BDA)
4. BMC networking issues
5. Radius packet not follow RFC2865"
6. Authentication Protocol and Encryption Protocol Range setting is not match Wiki SPEC.
7. The error message incorrect when launch more than 4 iKVM sessions.
8. VM cannot save valid IPv6 address with port.
9. iKVM default setting is not HTML5 after factory default.
10. "Number" should be translated to Simplified Chinese and Japanese at Virtual Media page.
11. "Export to Excel" button should be translated to Simplified Chinese and Japanese at Sensor page.
12. User name string length only support to 16 not 31 for SNMPv3.
13. Auto Daylight Savings Time switcher doesn't disable for the Operator and User privilege.
14. Enable a prompt window similar to the one for switching on lockdown mode.
15. BIOS automation TC 5006 failed
16. Unable to display information when the LAN interface is in shared mode.

01.01.03 (05/26/2023)
1. Retrieve BIOS version from 'OFID'
2. KVM launched and closed MEL should display user ID
3. Support BPN-NVME5-HS219N-S24 SATA mode on JRSI2C1
4. Auto Daylight Saving Time
5. Task Queue & Task List
6. Redfish 2020.3 related feature
7. Buttons and icons of Virtual Media page can operate while System Lockdown enable
8. With HBM CPU, only partial memory modules are listed in IPMI Web GUI memory info
9. Fixed BMC GUI sensor arrangement order is not stable.
10. Fixed VM mount issue
11. Fixed IPMI Lan set ipsrc for dhcp to static IP missing.
12. Fixed Unable to close popup window under System lockdown mode
13. AD related MEL should not shown when setup LDAP and Radius
14. User is able to click delete button on system lockdown mode
15. Fixed DMTF/Redfish standard API support test failed
16. Webgui crashed after uploading product key with invalid file
17. Fail to use SecureErase with SAS 3816 IR card
18. IP changed after running raw command
19. Network Setting Page Can Now Save With Only 1 Dedicated LAN Speed Capability
20. System Lockdown Storage Monitoring Physical View buttons are enabled
21. [Redfish] expect length of Service Addresses to be 1 but is actually 3
22. Change BIOS password fail
23. MEL Log msg is incorrect when configure Syslog.
24. Fixed chassis intrusion reset button not grey out issue when System Lockdown Mode is on
25. AOC-S25G-m2S sensor temp drop

01.00.36 (04/14/2023)
First release