

# BMC FW Firmware Release Notes Form

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<b>Product Name</b>	<b>H13DSH</b>
<b>Release Version</b>	<b>01.03.07</b>
<b>Build Date</b>	<b>12/06/2024</b>
<b>Previous Version</b>	<b>01.03.03</b>
<b>Update Category</b>	<b>Fix</b>
<b>Dependencies</b>	BIOS: 3.0a (BIOS_H13DSH-1C84_20241220_3.0a_STDsp)
<b>Important Notes</b>	<b>BMC image:</b> BMC_H13AST2600-ROT-1401MS_20241206_01.03.07_STDsp.bin <b>BMC image and flash utility package:</b> BMC_H13AST2600-ROT-1401MS_20241206_01.03.07_STDsp.zip
<b>Enhancements</b>	<b>1. Added support for AMD Turin MCTP bridging.</b>
<b>New features</b>	<b>N/A</b>
<b>Fixes</b>	<b>1. Resolved issue where the IPv6 DNS server IP could not be saved.</b> <b>2. Corrected inconsistencies between the Virtual Media help page descriptions and the UI specification..</b> <b>3. Fixed issue where launching a Java Plug-in iKVM session and performing an iKVM reset did not close the iKVM session [MEL-0132]</b> <b>4. Resolved issue preventing NIC firmware updates via the BMC WebGUI</b>

**Release Notes from Previous Release(s)**

**01.03.03(9/26/2024)**

**[Fixes]**

1. 'Reset BIOS' page exist in BMC web, which is supposed to be new feature of 14 platform
2. Instruction of Virtual Media in iKVM Help page is not aligned between BMC teams
3. Fix CPLD update fail FAIL
4. It doesn't support the System (BIOS) Embedded Diagnostics function.
5. KCS Enhancement - Disable KCS via Redfish
6. On Board NVMe inject, eject
7. OpenSSH CVE-2024-6387 (regreSSHion)
8. IPMI WBE memory page no detect current memory speed
9. When IPv6 Address and Gateway IP are blank, saving Prefix Length as 64 or 1 reverts to blank after save
10. Occur event log [ROT-0015] on every ac cycle system
11. iKVM Reset message is: "iKVM service has experienced an unexpected issue, resulting in the closure of all active iKVM windows. To resume your activities, please relaunch iKVM windows."
12. When upload bios rom then abort will get error
13. Virtual Media help page has some descriptions are inconsistent with UI Spec defined
14. Update BIOS on next boot, try to abort update process will result in unexpected failure
15. Update BIOS on next boot, Choose Requirements are not same as the original selection when try to abort update
16. WEB -- Should not "Disable" user success when user was in session
17. Web Function -- The certification valid time period won't changed after uploading valid SSL Certificates and Private Key
18. Update(TEE): Release TEE version 0100.03.90 1. Fix(ROT2+): Supprt CM owner to update CPLD 2. Fix(ROT2+): Supprt update CPLD from x14h14fwsignkey to x13h13fwsignkey
19. Naming improvement should be 'Cooling' instead of 'FAN' in BMC web Component Info (Air Cooling) Web -- Help page should show Cooling instead of Fans and need to add Air Cooling and Liquid Cooling description

**[Enhancements]**

1. Attestation Validation enhancement
2. Add Event log "[CPU-0021] CPU exceeds current motherboard's thermal design power (TDP)"
3. CPU cooling zone operates at full speed to prevent the CPU damage when the CPU temperature exception
4. Certificate support for HTTPS BOOT in Redfish
5. AOC/AIOM Enhancement
6. Non-OEM messages of task monitor of simple update with code 202 response payload
7. Upgrade Redfish to 1.14

**01.02.06 (5/10/2024)**

**[Fixes]**

1. The MB provisioning feature is broken in tee 0100.03.79 and 0100.03.80.
2.
  - The SMTP help page description is inconsistent with the SPEC
  - [GUI] — SMTP help page description is inconsistent with UI Spec definition
3. The IPv4/IPv6 help page description is inconsistent with the UI Spec definition.
4.
  - Fail to switch Remote Control interface from HTML5 to Java plug-in after doing iKVM reset
  - Do iKVM(HTML5) reset, MEL will record extra [MEL-0131] iKVM was launched successfully
5. After changing the Network setting, the Severity on the MEL page becomes malfunction
6. IPv6 Helpage has duplicate text "Please Note: Similarly,...the BMC should allocate a new IP address and discontinue the use of its previous IPv6 address
7. IPv4 DNS Server IP behavior does not match with error tips
8. The error returned when uploading "TSIG.key" and "TSIG.private" with 0kb file on the DDNS page is not specific
9. The NTP timezone unexpectedly changed after setting up the primary address
- 10.

- SATC Redfish automation test failed
- Redfish -- PATCH DumpService API return 400
- Redfish -- making PATH request on "DumpService" URL status code should be 405 but it is 400
- 11. NVMe eject function failed with state exception
- [Enhancements]
  1. BIOS & BMC option for Inventory Recover when no License key is activated

#### **01.02.04(2024/04/08)**

##### [Fixes]

1. BIOS stops at POST code A2 when using BMC 1.2.0
2. Fix CVE-2023-4879 Terrapin Attack
3. Fix (CVE-2023-48795) SMC-2024010013 Terrapin Attack vulnerability; SMC-2024010010 Command Injection attack; SMC-2024010011 XSS attack
4. (CVE-2023-33413) SMC-2024010012 Command Injection attack
5. Fix(CPLD): Trapped in an endless loop of backup CPLD Golden
6. [IPMI 01.01.13 ECO] There are no MEL when executing GMI error inject
7. No mel generated when changing the Prefix length from 128 to 32
8. Doesn't show IPv6 gateway IP after it was configured
9. [AS-2125HS-TNR\_PVT\_H1B2][AOC-S25GC-i4S] NC-SI function of AOC-S25GC-i4S cannot be
10. Web function – Radio buttons of the Host interface aren't disabled when system lockdown mode is on
11. [Management Plug-in for Nagios Core V1.2.0\_build\_230911] Nagios doesn't have the event in the Supermicro Event Receiver after removing the fan or power cord
12. IP access control permits identical duplicate rules
13. AMD RAS] No show OS error log when executing "GMI3/xGMI3 Error Injection"
14. There is no Error LED on the front panel when triggered FAN Failed/POWER D
15. [IPMI ECO 01.02.01] SATC Redfish Test Failed
16. Fix use AOC-SLG4-2H8M2, BMC web show an error
17. Fix SATC Error: Test URLs Reachable When DCMS Activated
18. Per AMD thermal design requirement, change TcL, limit value to 95.
19. Fix the front panel over the heat led fail.
20. The MEL displayed when adding a user via WEB UI and SMCIPMITool does not match
21. Virtual Media error message of Path to Image has typo PASS
22. [GUI] Virtual Media help page description is inconsistent with the UI Spec definition.

#### **01.01.10(2023/11/08)**

##### [Enhancements]

1. Update AMD RAS crash dump to ADDC 1.8
2. Support IPv6 enhancement spec. (Proposal for BIOS-BMC IPv6 inconsistency\_V11.pptx)
3. Enable 16-bit POST code.
4. Change RAS crash dump reset type to warm boot.

##### [Fixes]

1. [AS-1125HS-TNR][BPN] IPMI WebGUI Firmware Management only shows one update option of Backplane CPLD due to the system having two BPNs.
2. Fixed Current owner index is wrong after RA provision.
3. Fixed MEL-0135 so it displays more than 3 times.
4. Fixed BMC IP cannot be obtained.
5. [SUM] – IPv4 DNS setting comparison wasn't the same after executing "ChangeBmcCfg" command via SUM.
6. WEB – MEL is incorrect after doing iKVM reset.
7. Remote Console Preview current interface button enabled.
8. [MEL] – Should non-set IPv4 DNS Server IP related MEL be shown when setting up Hostname or not.
9. [QCL-GPU-NVH100-80] There are GPU temp events when running GPU test (GBN / GME).
10. [IPMI 1.01.05 ECO] IPMI displayed "PCIE PERR error" when injecting memory UECC.
- [IPMI 1.01.05 ECO] IPMI displayed an incorrect location when injecting memory CECC.

<p>[AMD RAS] No show OS error log when executing "GMI3/xGMI3 Error Injection".</p> <ol style="list-style-type: none"> <li>11. Could not mount ISO via SMCIPMITool when Virtual Media does not mount any ISO or floppy.</li> <li>12. Fixed OTP flush error and should stop provision.</li> <li>13. [RoT] Updated CPLD Golden image, event log timestamp is incorrect.</li> <li>14. Fixed PCIe dump issue with AMD RAS crash dump.</li> <li>15. Needed to define MEL-ID for "LLDP was configured to enabled/disabled successfully".</li> <li>16. [GUI] – Dedicated Link speed has 10M speed.</li> <li>17. IPMI web can't update BPN CPLD.</li> <li>18. [MEL] – No related MEL when disabling TSIG Authentication.</li> <li>19. Sensor list fails when the temperature sensor is greater than or equal to 32.</li> <li>20. [GUI] Help page does not list related info on SSDP and LLDP.</li> <li>22. [MEL] – No related MEL when disabling TSIG.</li> <li>23. Web Function – "Verify SSL Certificate" and "Accept Self-signed Certificate" shouldn't be selected if setting File Server to "http://xxxxx".</li> <li>23. MEL-0135 displayed more than 3 times.</li> <li>24. BMC cannot obtain IP.</li> <li>25. [MEL] – No related MEL when disabling TSIG Authentication.</li> </ol> <p><b>01.01.01(2023/07/21)</b></p> <p>[Enhancement]</p> <ol style="list-style-type: none"> <li>1. Added support for 8x GPU sensor.</li> <li>2. AMD RAS Crash Dump (ADDC 1.7)</li> </ol> <p>[Fixes]</p> <ol style="list-style-type: none"> <li>1. Fixed issue of incorrect CPU information shown in threads in WebUI.</li> <li>2. Fixed issue of "Network AOC" shown on dashboard when system was in lockdown 4.</li> <li>3. Fixed issue of AIOM used as shared LAN.</li> <li>4. Fixed issue where the MEL related to the IPv4 DNS Server IP address that's not set was shown while the IPv6 static Route List of the IPv6 DNS Server IP address that's configured didn't trigger MEL.</li> <li>5. Fixed issue of the generated MEL failing to match when Alert SNMPv3 (based on MEL SPEC v1.03) was set up.</li> <li>6. Fixed issues of MEL duplicates when SMTP was configured.</li> <li>7. –Fixed issue of MEL Logs being kept when LDAP/Active Directory was enabled or disabled.</li> <li>8. –Fixed issue of table fields in WebUI failing to be fully displayed.</li> <li>9. Fixed issue of boot exception on AC/DC on/off test.</li> <li>10. Fixed issues of failures of IPMItool raw commands and IPMI OEM 80 commands.</li> <li>11. Fixed issue of the Chassis Intrusion Reset button failing to gray out when System Lockdown Mode was on.</li> <li>12. Fixed issue of Redfish credential bootstrapping test fail during flash BIOS requires key in user and password</li> <li>13. Fixed if issue of no CPU Speed in SSM System Information</li> <li>14. Fixed issue of the generated MEL failing to match when SNMPv2 (based on MEL SPEC v1.03) was added.</li> <li>15. Fixed issues where the Redfish automation function and its tests failed.</li> </ol> <p><b>01.00.17(2023/03/29)</b></p> <p>[Enhancement]</p> <ol style="list-style-type: none"> <li>1. Added support for Remote Attestation.</li> </ol> <p>[Fixes]</p> <ol style="list-style-type: none"> <li>1. Fixed the problem of no SSDP in the Help tips.</li> <li>2. Fixed the problem of Syslog packet not following the RFC3164 format.</li> <li>3. Added the capabilities of ng Blink or Insert HDD buttons when the system was in lockdown mode.</li> <li>4. Modified the tune I3C clock parameters to be compatible with more DIMM models.</li> <li>5. Fixed the problem of no error message appearing when the text entered in the SNMPv2 Name field was incorrect.</li> </ol>
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**01.00.14 (2023/02/10)**

[Enhancement]

Improved the MB cpld jtag port to be locked.

[Fixes]

1. Fixed the problem of failing to read the correct power status when an H13 system was not installed with an AMD CPU.

2. Fixed the issue in which MELL Log msg was incorrect when only the Dynamic option was enabled.

**01.00.12 (2023/01/17)**

[Enhancement]

1. Improved the problem of the SMBUS reading and writing the NIC card.

2. Added short-term solution to improve NVMe eject/insert glitches.

[Fixes]

Fixed the following issues:

1. The PSU failure LED is ON when CPU temp reaching sensor threshold. The PSU failure LED is blinking when removing PSU module. The PSU failure LED is blinking when removing FAN module.

2. Missing SEL logs "[PWR-0000] PS Status, Power Supply Installed - Assertion" after system power on with IPMI 01.00.08

3. IPMI Web - help page link confirm and Web - help page link confirm.

4. Deploy OS test fail (error message:Failed to mount iso on 10.184.21.36 ) on the H13SSL-NT and executed the diagnose system under SSM v5.4.

5. MCX75510AAS-HEAT ands MCX653105A-ECAT not detected NAOC info on BMC Web.

6. Call home trigger item (temp:Local Administrator Setting) no match SSM design on the H13SSL-NT.

7. There are duplicate BMC events when triggering CPU temp sensor.

8. Enabled the "Task Message" when BIOS firmware verify and updated completed.

9. Failed in IPMIECO TC0002, TC0019, TC2015 and error message "Cannot establish SSL connection."

10. When DIMM is inserted into position G1~F1, the incorrect DIMM name is displayed.

**01.00.06 (2022/11/15)**

Initial Release