

# IPMI Firmware Release Notes Form

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<b>Product Name</b>	<b>H12DGO-6</b>
<b>Release Version</b>	<b>01.06.00</b>
<b>Build Date</b>	<b>03/03/2025</b>
<b>Previous Version</b>	<b>01.01.16</b>
<b>Update Category</b>	<b>Recommended</b>
<b>Dependencies</b>	<b>BIOS v3.2</b>
<b>Important Notes</b>	<p>IPMI image: BMC_H12AST2600-ROT-2201MS_20250303_01.06.00_STDsp.bin IPMI Update package: BMC_H12AST2600-ROT-2201MS_20250303_01.06.00_STDsp.zip</p> <p>Notes:</p> <ol style="list-style-type: none"><li>1) Please DON'T preserve SDR when updating IPMI from the revision older than 01.01.13.</li><li>2) The BMC configuration is changed from BMC FW 01.01.16 to 01.06.00. Please save and write configuration with BMC FW 01.06.00 once you need to deploy BMC configuration by SMC tool or BMC Web GUI.</li></ol>
<b>Enhancements</b>	<b>N/A</b>
<b>New Features</b>	<b>N/A</b>
<b>Fixes</b>	<ol style="list-style-type: none"><li>1. Resolved issue with PSU displaying incorrect current readings.</li><li>2. Fixed issues with SMC-2024010013 Terrapin Attack vulnerability, SMC-2024010010 Command Injection attack, SMC-2024010011 XSS attack.</li><li>3. Resolved issue where the System Information failed to include the "Processor &gt; Current Clock Speed (MHz)" item on SSM.</li><li>4. Fixed issue where the Virtual Media help page contained descriptions inconsistent with UI Spec definitions.</li><li>5. Fixed issue where only log [MEL-0185] when do BMC RoT Recover, [MEL-0284] is supposed to be logged too to indicate the update is initiated.</li><li>6. Fixed Case209048, where notifications failed on 2201MS.</li><li>7. Fixed issue where Memory CECC and UECC event logs failed to generate.</li><li>8. Fixed issue where ejecting a drive caused it to disappear from Web GUI monitoring (NVMe).</li></ol>

	<p><b>9. Fixed issue where the fan sensor threshold did not match between SMCIPMITool and BMC Web.</b></p> <p><b>10. Fixed issue related to OpenSSH CVE-2024-6387 (regreSSHion).</b></p>
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#### ***Release Notes from Previous Release(s)***

##### **01.01.16 (07/26/2023)**

1. Dynamically adjusted the group sensors for the HGX baseboards of different revisions.
2. Modified the sensor names according to the sensor naming rules.
  - (1)"VRMCpu1 Temp" to "CPU1\_VRMIN Temp"
  - (2)"VRMCpu2 Temp" to "CPU2\_VRMIN Temp"
  - (3)"VRMSoc1 Temp" to "SOC1\_VRMIN Temp"
  - (4)"VRMSoc2 Temp" to "SOC2\_VRMIN Temp"
  - (5)"VRMP1ABCD Temp" to "P1\_VRMABCD Temp"
  - (6)"VRMP2ABCD Temp" to "P2\_VRMABCD Temp"
  - (7)"VRMP1EFGH Temp" to "P1\_VRMEFGH Temp"
  - (8)"VRMP2EFGH Temp" to "P2\_VRMEFGH Temp"
  - (9)"M2\_SSD1 Temp" to "M2SSD1 Temp"
  - (10)"M2\_SSD2 Temp" to "M2SSD2 Temp"
3. Fixed issue where lots of BMC sensors were missing after BMC FW was updated to 1.01.13.
4. Fixed issue where GPU temp sensors were missing when IPMI 01.01.13 was used with GPU revision D01.

##### **01.01.11 (02/16/2023)**

1. Improved hostname naming rules.
2. Dynamically build GPU indexes based on SMBIOS data to improve the problem that the indexes in the GPU list are all 0.
3. M.2\_SSD2 device now appears in IPMI.
4. Fixed issue where the AOC NIC that is installed in slot 10 is not being properly detected via BMC.
5. Fixed an issue where the iKVM reset did not work when launching iKVM via JAVA.
6. Fixed an issue where an error message "This user name has been used" appears when modifying the username.
7. Fixed an issue where the SNMPv2/v3 UID has been set to "ON" but still sends an "OFF" return code.
8. Fixed an issue where SMC IPMI tool could not create SNMPv3 account settings in user sub-function.
9. Fixed issue of missing PLX sensors.

##### **01.01.07 (04/26/2022)**

1. Improved the problem that PROCHOT is frequently triggered.
2. Improved the problem of incomplete information string in GPU tab of IPMI WEB.
3. Improved the problem of PSU not found during initialization.
4. According to the Thermal guide, the temperature defined by PROCHOT is updated from 95 deg C to 100 deg C.
5. Improved the unexpected response of FAN board CPLD.
6. The IPMI FW codebase has been synchronized with X12 to the latest to support AOC-S3908.
7. Fixed issue of no warning message when creating RAID with different HDD type via BMC WEB UI.
8. Fixed issue of there are BMC events "Dedicated LAN Link Down - Assertion" during AC cycle stress.
9. Fixed issue of getting many AOC LAN 0 info in the network but no insert AOC LAN card.
10. Fixed the issue that the MCTP task could not be launched.
11. Fixed the H12DSG-Q(Redstone) not correctly identifying the pump in liquid cooling systems.
12. Fixed the issue of pump not present event when the system in DC cycles.
13. Fixed KCS issue caused by version 1.1.6.

**01.00.40 (10/20/2021)**

1. Fixed issue of CPU reported overheat message in IPMI event log.
2. Fixed issue of anonymous account or null value can be created on X11 and X12.
3. Fixed issue of buffer overflow in ipmi\_lan ASF protocol.
4. Fixed issue of resolv.conf won't be deleted, it may cause a potentially DNS Hijacking.
5. Fixed issue of event log of "Pump Fan" was recorded on an air-cooling system.
6. Fixed issue of BMC NTP Mode 6 Scan.

**01.00.37 (07/27/2021)**

1. Added support for AST2600 A3 chip.
2. Added threshold and hot-plug events of the pump to SEL.
3. Fixed failure to update motherboard CPLD firmware.
4. Fixed issue of factory default options list disappearing during restore period.
5. Fixed missing GPU1-GPU8 temperature details when exporting to Excel file.
6. Fixed inability of Web page to reconnect correctly after factory default.
7. Fixed issue of BIOS update through WebGUI hanging when IPMI firmware 1.00.36 is being upgraded.
8. Fixed issue of Event log due to "Pump Fan" occurring on an air-cooling system.

**01.00.34 (05/06/2021)**

1. Improved the PSU tab's status and information display on the sensor reading page.
2. Improved the fan tab's status and information display on the sensor reading page.
3. Changed the maximum number of items that can be displayed on the "Network AOC" tab of the sensor reading page from 10 to 12.
4. Added the Total\_Power item in the SDR list according to the requirements of Form 299.
5. Added new "Network AOC" tab.
6. Corrected BMC events for PSU behavior.
7. Fixed issue of plugging out/in AC power cable getting [CPU1 Temp] event log.
8. Fixed abnormal behavior after turning off "Failed Login Lockout Control".
9. Corrected readings of PSU and power consumption in IPMI WebGUI.
10. Fixed problem of PSU FRU dropping during ON/OFF test.
11. Fixed issue of "AOC\_NICx Temp" displaying as 255 degrees C.

**01.00.30 (03/29/2021)**

1. Corrected readings of PSU and power consumption in IPMI WebGUI.
2. Fixed issue of AOC\_NIC temperature sensor reading showing as 255.

**01.0.26 (03/05/2021)**

1. Disabled pump sensor.
2. Updated the IPMI sensor threshold in order to adapt to the unique floating voltage of AMD CPU.
3. Grouped HGX sensors to reduce the consumption of sensor numbers.
4. Bonded add-on card NIC number to physical PCIe slot.
5. Fixed issue of PSU FRU dropping during ON/OFF test.
6. Fixed missing BIOS backup and golden images in the IPMI WebGUI inventory.
7. Fixed problem of drive FANs reaching full speed when system powers on.
8. Set CPLD register 0x1C based on PSU type to fix CPU/GPU throttle issue.
9. Corrected fan curve of M2 NVMe.
10. Corrected fan curve of U2 NVMe that could lead to duty fluctuating.
11. Fixed missing STD-18380 issue Radius server IP after reloading IPMI configuration file.
12. Corrected the RPM value of the CPU pump.

**01.00.21 (12/18/2020)**

1. Added cold plate pump information for liquid cooling configuration.
2. Corrected LED status for dedicated LAN.
3. Fixed issue of ID 0xa0 appearing in Maintenance Event Log occasionally.
4. Fixed malfunction of Virtual Media CD-ROM mounting with IPv6.
5. Set inlet temperature sensor offset to reflect actual ambient temperature.
6. Fixed missing temperature reading for MLX card on IPMI.
7. Fixed issue of negative Inlet Temp reading appearing incorrectly in IPMI WebGUI.
8. Changed FPGA Temp parameter arg1 for FPGA version 2.A5 to follow newer specifications and prevent inability of IPMI to read the temperature of the FPGA.

**01.00.16 (11/04/2020)**

First release.