

## IPMI Firmware Release Notes Form

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<b>Product Name</b>	<b>H12DSG-Q-CPU6</b>
<b>Release Version</b>	<b>01.06.01</b>
<b>Build Date</b>	<b>04/02/2025</b>
<b>Previous Version</b>	<b>01.05.00</b>
<b>Update Category</b>	<b>Recommended</b>
<b>Dependencies</b>	<b>BIOS 3.2</b>
<b>Important Notes</b>	<b>IPMI image: BMC_H12AST2600-ROT-2201MS_20250402_01.06.01_STDsp.bin IPMI Update package: BMC_H12AST2600-ROT-2201MS_20250402_01.06.01_STDsp.zip Note: DON'T preserve SDR when updating IPMI from a revision older than 1.00.32.</b>
<b>Enhancements</b>	<b>N/A</b>
<b>New Features</b>	<b>N/A</b>
<b>Fixes</b>	<b>1. Fixed issue where the Virtual Media help page contained descriptions inconsistent with UI Spec definitions. 2. Fixed issue where the Chassis Intrusion sensor is still critical after reset.</b>

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

**01.05.00 (2024/09/24)**

1. Fixed issue where the dedicated LAN LED on AOM-PTG-I2T-P did not light up.
2. Fixed issue where the fan sensor threshold did not match between SMCIPMITool and BMC Web.
3. Fixed issue where the Virtual Media help page contained descriptions inconsistent with UI Spec definitions.
4. Fixed issue related to OpenSSH CVE-2024-6387 (regreSSHion).
5. Fixed Case209048, where notifications failed on 2201MS.
6. Fixed Case102011, where login failed on 2201MS.
7. Fixed issue where Memory CECC and UECC event logs failed to generate.
8. Fixed issue where ejecting a drive caused it to disappear from Web GUI monitoring (NVMe).

**01.04.03 (2024/04/18)**

1. Resolved issue with PSU displaying incorrect current readings.
2. Fixed issues with SMC-2024010013 Terrapin Attack vulnerability, SMC-2024010010 Command Injection attack, SMC-2024010011 XSS attack.
3. Resolved issue with command injection attack.
4. Resolved issue where the System Information failed to include the "Processor > Current Clock Speed (MHz)" item on SSM.
5. Resolved issue with SSM inaccurately retrieving a lot of "AOC LAN0" information from the network.

**01.01.16 (2023/04/14)**

1. 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"
  - (7)"M2\_SSD1 Temp" to "M2SSD1 Temp"
  - (8)"M2\_SSD2 Temp" to "M2SSD2 Temp"
2. Fixed issue of the dedicated LAN LED on AOM-PTG-I2T-P failing to light up.
3. Fixed issue where Redfish automation test failed.

**1.01.12 (2023/04/14)**

1. Removed the static onboard LAN sensor to detect an AOM card dynamically.

**1.01.10 (2022/10/31)**

1. Regular IPMI firmware update.

**1.01.09 (2022/08/03)**

1. Improved hostname naming rules.
2. M.2\_SSD2 device now appears in IPMI.
3. Fixed an issue where the iKVM reset did not work when launching iKVM via JAVA Copy Project Issue Link.
4. Fixed an issue where an error message "This user name has been used" appears when modifying User.
5. Fixed an issue where the SNMPv2/v3 UID has been set to be on but still turns off return code.

**1.01.07 (2022/04/26)**

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

**1.00.40 (2021/10/20)**

1. Fixed issue of CPU reported overheat message in IPMI event log.
2. Fixed issue of anonymous account or null value can be created.
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.

**1.00.37 (2021/07/27)**

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 inability of Web page to reconnect correctly after factory default.
6. Fixed issue of BIOS update through WebGUI hanging when IPMI firmware 1.00.36 is being upgraded.

**1.00.34 (2021/05/06)**

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 to the SDR list.
5. Fixed abnormality of IPMI port LED.
6. Corrected BMC events for PSU behavior.
7. Fixed abnormal behavior after turning off "Failed Login Lockout Control".
8. Corrected readings of PSU and power consumption in IPMI WebGUI.

**1.00.32 (2021/04/02)**

1. Set CPLD register 0x1C based on PSU type to fix CPU/GPU throttle issue.
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. Added support for FPGA update on Redstone GPU board through Redfish API.
5. Bonded add-on card NIC number to physical PCIe slot.
6. Added cold plate pump information for liquid cooling configuration.
7. Added new "Network AOC" tab.
8. Fixed the CPU throttle control during redundant power (1+1) configuration.
9. Fixed DIMM sensor error during AC ON/OFF.
10. Fixed failure of PSU info to display.
11. Fixed issue of AOC\_NIC temperature sensor reading showing as 255.
12. Fixed issue of PSU FRU dropping during ON/OFF test.
13. Fixed missing BIOS backup and golden images in the IPMI WebGUI inventory.
14. Fixed problem of drive FANs reaching full speed when system powers on.
15. Fixed failure of FAN 2 and 3 to display the speed (RPM).
16. Corrected fan curve of M2 NVMe.
17. Fixed missing STD-18380 issue Radius server IP after reloading IPMI configuration file.
18. Corrected the RPM value of the CPU pump.
19. Fixed ability of negative temperature reading to drive fan to full speed.

**1.00.19 (2020/11/27)**

1. Added motherboard check for MBD CPLD flash.
2. Updated the thresholds of CPU VDDCR and SOCRUN voltage.
3. Added fan working time for GPU system when the system is shut down.
4. Added support for CEC and FPGA update of GPU board.
5. Introduced smart fan speed for GPU server.
6. Fixed missing PSU information when rebooting BMC after system shutdown.
7. Fixed issue of ID 0xa0 appearing in Maintenance Event Log occasionally.
8. Fixed malfunction of Virtual Media CD-ROM mounting with IPv6.
9. Set inlet temperature sensor offset to reflect actual ambient temperature.
10. Fixed missing temperature reading for MLX card on IPMI.
11. Fixed fan duty fluctuation on CPU with small reading changes.
12. Corrected CPU1 duty and fixed grouping of duties of CPUs.
13. Fixed failure of "GPU HSC" to drive fans.
14. Corrected sensor thresholds.

**1.00.12 (2020/10/30)**

First release.