

IPMI Firmware Release Notes Form

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Product Name	H12DSG-Q-CPU6
Release Version	1.01.07
Build Date	04/26/2022
Previous Version	1.00.40
Update Category	Recommended
Dependencies	BIOS 2.3a
Important Notes	ECO #26706 IPMI image: BMC_H12AST2600-ROT-2201MS_20220426_01.01.07_STDsp.bin IPMI Update package: BMC_H12AST2600-ROT-2201MS_20220426_01.01.07_STDsp.zip Notice: Please DON'T preserve SDR when updating IPMI from the revision older than 1.00.32.
Enhancements	1. According to the Thermal guide, the temperature defined by PROCHOT is updated from 95 deg C to 100 deg C.
New features	1. The IPMI FW codebase has been synchronized with X12 to the latest to support AOC-S3908.
Fixes	1. Fixed issue of no warning message when creating RAID with different HDD type via BMC WEB UI. 2. Fixed "Dedicated LAN Link Down - Assertion" BMC events during AC cycle stress. 3. Fixed issue where network detects many AOC LAN 0 info but no AOC LAN card is present. 4. Fixed the issue where the MCTP task could not be launched. 5. Fixed the H12DSG-Q(Redstone) issue which is not correctly identifying the pump in liquid cooling systems. 6. Fixed KCS issue caused by version 1.1.6. 7. Corrected incomplete information string in IPMI Web GPU tab. 8. Fixed PSU not found during initialization issue. 9. Fixed CPLD FAN board unexpected response. 10. Fixed to reduce incidents where PROCHOT is frequently triggered.

Release Notes from Previous Release(s)

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.