

# IPMI Firmware Release Notes Form

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| <b>Product Name</b>     | <b>H12DSG-Q-CPU6</b>   |
| <b>Release Version</b>  | <b>1.00.32</b>   |
| <b>Build Date</b>       | <b>04/02/2020</b>  |
| <b>Previous Version</b> | <b>1.00.19</b>   |
| <b>Update Category</b>  | <b>Critical</b>  |
| <b>Dependencies</b>     | <b>BIOS 2.0</b>  |
| <b>Important Notes</b>  | <b>ECO #25104<br/>IPMI image: BMC_H12AST2600-ROT-2201MS_20210402_01.00.32_STDsp.bin<br/>IPMI Update package: BMC_H12AST2600-ROT-2201MS_20210402_01.00.32_STDsp.zip<br/>Notice: Please DON'T preserve SDR when updating IPMI to R 1.00.32 from older revision.</b>  |
| <b>Enhancements</b>     | <b>1. Set CPLD register 0x1C based on PSU type to fix CPU/GPU throttle issue.<br/>2. Updated the IPMI sensor threshold in order to adapt to the unique floating voltage of AMD CPU.<br/>3. Grouped HGX sensors to reduce the consumption of sensor numbers.</b>  |
| <b>New features</b>     | <b>1. Added support for FPGA update on Redstone GPU board through Redfish API.<br/>2. Bonded add-on card NIC number to physical PCIe slot.<br/>3. Added cold plate pump information for liquid cooling configuration.<br/>4. Added new "Network AOC" tab.</b>  |
| <b>Fixes</b>            | <b>1. Fixed the CPU throttle control during redundant power (1+1) configuration.<br/>2. Fixed DIMM sensor error during AC ON/OFF.<br/>3. Fixed failure of PSU info to display.<br/>4. Fixed issue of AOC_NIC temperature sensor reading showing as 255.<br/>5. Fixed issue of PSU FRU dropping during ON/OFF test.</b> |

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|  | <ol style="list-style-type: none"><li>6. Fixed missing BIOS backup and golden images in the IPMI WebGUI inventory.</li><li>7. Fixed problem of drive FANs reaching full speed when system powers on.</li><li>8. Fixed failure of FAN 2 and 3 to display the speed (RPM).</li><li>9. Corrected fan curve of M2 NVMe.</li><li>10. Fixed missing STD-18380 issue Radius server IP after reloading IPMI configuration file.</li><li>11. Corrected the RPM value of the CPU pump.</li><li>12. Fixed ability of negative temperature reading to drive fan to full speed.</li></ol> |
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**Release Notes from Previous Release(s)**

*Revision 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.*

*Revision 1.00.12 (2020/10/30)*

*First release.*