

## IPMI Firmware Release Notes Form

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<b>Product Name</b>	<b>H12SSG-AN6</b>
<b>Release Version</b>	<b>00.00.22</b>
<b>Release Date</b>	<b>7/20/2021</b>
<b>Previous Version</b>	<b>00.00.15</b>
<b>Update Category</b>	<b>Recommended</b>
<b>Dependencies</b>	<b>BIOS R 2.0</b>
<b>Important Notes</b>	<b>IPMI Image: BMC_H12SSG_AN6-AST2600-ROT1PLUS-9301MS_20210720_0.0.22_STDsp.bin IPMI Update Package: BMC_H12SSG_AN6-AST2600-ROT1PLUS-9301MS_20210720_0.0.22_STDsp.zip</b>
<b>Enhancements</b>	<b>N/A</b>
<b>New features</b>	<ol style="list-style-type: none"><li><b>1. Added single firmware image to support both 2600-A3 chips with Big-endian key mode and A1 chips with Little-endian key mode.</b></li><li><b>2. Added new IPMI command to get AST2600 chip revision.</b></li></ol>
<b>Fixes</b>	<ol style="list-style-type: none"><li><b>1. Fixed loss of GPU Temp Sensor.</b></li><li><b>2. Fixed problem of BBP error message occurring during ON/OFF.</b></li><li><b>3. Fixed problem of CPU overheating at 35C inlet temperature while CPU performance boost is disabling at C1 OEM SKU, failure of system FAN to reach full speed while system starts up with only 3 fans, failure of fan speed to rise while CPU is overheated, problem of FAN dropping to 50% duty when CPU temperature hits critical threshold, and missing CPU throttling control (program CPLD GPO0 to assert/de-assert throttling signal P0_PROCHOT#).</b></li><li><b>4. Fixed problem of system showing as "Unhealthy" when temperature polling of NIC is not supported.</b></li><li><b>5. Adjusted VBAT critical and fixed missing threshold from 2.7~2.5 to 2.6~2.4.</b></li><li><b>6. Enabled dump of OTP data via RedFish command.</b></li></ol>

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|  | <ol style="list-style-type: none"><li>7. Improved midplane CPLD update design, added verification of midplane CPLD ID and hardware reversion before update, and added Redfish command to get midplane CPLD version.</li><li>8. Fixed problem of PSU DMI Info dropping during AC ON/OFF.</li><li>9. Fixed problem of H12SSG-AN6-NC24B showing a message in event log when running stress test.</li><li>10. Fixed issue with FW0.0.17 while doing provision.</li><li>11. Corrected CPLD version for midplane CPLD received by the register offset.</li><li>12. Set CPLD ROT table and signature to write to CFM for midplane CPLD.</li><li>13. Corrected power reading on WebGUI.</li><li>14. Corrected display of midplane CPLD version.</li><li>15. Fixed issue with IPMI WebGUI compatibility with Firefox browser password management.</li><li>16. Fixed failure of WebGUI fan to show as critical before sensor reading while motherboard boots up.</li><li>17. Fixed problem of M.2 temperature becoming NA during sensor monitoring.</li><li>18. Fixed problem of GPU temperature sensor dropping for high cycle DC ON/OFF test, improved GPU discovery with proper delay and retry when encountering error, and added log when new added code branch is entered and corrects error.</li><li>19. Protected GPU Mux switch module to improve GPU discovery.</li><li>20. Set GPU discovery to wait until GPU firmware boot completes.</li><li>21. Fixed issue with flashing IPMI with A3 chip.</li></ol> |
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***Release Notes from Previous Release(s)***

**00.00.15 (6/2/2021)**

Initial Release