

# IPMI Firmware Release Notes Form

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| <b>Product Name</b>     | <b>G1SMH-G</b>   |
| <b>Release Version</b>  | <b>01.03.31</b>  |
| <b>Build Date</b>       | <b>10/15/2024</b>  |
| <b>Previous Version</b> | <b>01.03.16</b>  |
| <b>Update Category</b>  | <b>Recommended</b>   |
| <b>Dependencies</b>     | <b>BIOS R2.0</b>   |
| <b>Important Notes</b>  | <b>BMC Image:<br/>BMC_SCMAS2600-ROT20-2501MS_20241015_01.03.31_STDsp.bin<br/>BMC Update Package:<br/>BMC_SCMAS2600-ROT20-2501MS_20241015_01.03.31_STDsp.zip<br/><br/>*It is critical to follow the proper sequence when updating the BMC.</b>  |
| <b>Enhancements</b>     | <b>1. Supported up to 4x AOM Bridge Boards in firmware inventory listing.<br/>2. Improved Redfish compliance for CG1 and C2 in DMTF compliance checks.<br/>3. Added power capping and telemetry updates for GPU processors in Redfish.<br/>4. Enhanced SmartNIC telemetry sensor data presentation.</b>                                |
| <b>New Features</b>     | <b>1. Added support for Remote Attestation Provision and Dump on X14 DC-SCM.<br/>2. Introducing new features for ARS-111GL-SHR to manage NVME eject and insert functions.<br/>3. Implemented new CPER feature to enhance error reporting and logging.<br/>4. Added high CT and NR definitions for H100NVL and H200NVL GPU sensors.</b> |

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| <b>Fixes</b> | <ol style="list-style-type: none"><li>1. Resolved issues with front panel power button and UID not working after AC cycle.</li><li>2. Fixed BMC SSIF Interface being inaccessible.</li><li>3. Adjusted related properties in Redfish MGX environment.</li><li>4. Resolved missing MEL-ID for Power Restore Policy.</li><li>5. Corrected missing M.2 SSD temperature readings in sensor data.</li><li>6. Fixed NVSSVT 1.1 Telemetry Performance KPI failures in Redfish.</li><li>7. Fixed fan control issues for X13DEH and MGX MultiNode systems.</li><li>8. Addressed Redfish boot order changes are not reflected after patch.</li><li>9. Fixed PCIeFunctions link error to EthernetInterface index.</li><li>10. Resolved issue with parsing and refactoring Redfish BootPostCode log service.</li><li>11. Fixed sensor drop issue affecting GPU and AOC temperature data.</li><li>12. Addressed inability to set IPMI cipher max privilege commands correctly.</li><li>13. Implemented power capping for GPU environment metrics.</li><li>14. Resolved issue with inability to patch boot order in Redfish SBIOS settings.</li><li>15. Fixed single node LCC PWM failure affecting fan RPM control.</li><li>16. Corrected issues preventing SmartNIC firmware update via web UI.</li></ol> |
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**01.03.16 (07/31/2024)**

Regular release

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| <b>Product Name</b>     | <b>G1SMH-G</b>  |
| <b>Release Version</b>  | <b>01.03.16</b>   |
| <b>Build Date</b>       | <b>07/31/2024</b>   |
| <b>Previous Version</b> | <b>01.02.26</b>   |
| <b>Update Category</b>  | <b>Recommended</b>  |
| <b>Dependencies</b>     | <b>BIOS R2.0</b>  |
| <b>Important Notes</b>  | <b>BMC Image:<br/>BMC_SCMAS2600-ROT20-2501MS_20240731_01.03.16_STDsp.bin<br/>BMC Update Package:<br/>BMC_SCMAS2600-ROT20-2501MS_20240731_01.03.16_STDsp.zip<br/><br/>*It is critical to follow the proper sequence when updating the BMC.</b>   |
| <b>Enhancements</b>     | <b>1. Enhanced temperature management for BlueField-3.<br/>2. Allow external account service password length for more than 20<br/>3. Updated Redfish support for SN and PN from BPN FRU.</b>  |
| <b>New Features</b>     | <b>1. Added support for MCX75310AAS-H(N)EAT port temperature readings.<br/>2. Added SmartNIC-related schema in Redfish.<br/>3. Added XID log service in Redfish.</b>  |
| <b>Fixes</b>            | <b>1. Resolved issues with voltage (12V and 12VSB) and sensor readings.<br/>2. Fixed PFR Action with BMC recovery function from the golden image.<br/>3. Preserved SSL certificate during BMC firmware updates.<br/>4. Removed "PreserveNetwork" parameter in Redfish ResetToDefault action.<br/>5. Addressed unsupported IPMI OEM command 0x30 0x41 reset FRU<br/>6. Corrected Redfish API errors, including wrong string and etag formats.<br/>7. Fixed backward compatibility for "PreserveNetwork" in Redfish reset default.<br/>8. Addressed abnormal link status with MCX75310AAS-NEAT<br/>9. Resolved BMC Web disconnect issue after installing BlueField-3 B3220.<br/>10. Fixed FAN icon not changing to Red Critical on BMC WebUI.<br/>11. Updated SSDP Redfish version and fixed possible exceptions.<br/>12. Corrected "GPUx Temp" temperature reading mirror.</b> |

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|  | <p>13. Resolved inability to upload firmware and retrieve CPLD BPN info in Redfish.</p> <p>14. Allowed EventService RedfishEvent HTTPS with self-signed CA.</p> <p>15. Addressed BMC recovery function failure.</p> <p>16. Fixed buffer overflow vulnerability (CVE-2024-36435).</p> <p>17. Resolved SAS drives not listed under storage monitoring via Web GUI.</p> <p>18. Fixed issues with license controls in the Health Event Log.</p> <p>19. Corrected duplicated Inlet Temp sensor readings.</p> <p>20. Added BF3 900-9D3B6-00CV-AA0 subclass 07h in BF3 management.</p> <p>21. Fixed unexpected IPv6StaticDefaultGateways in Redfish.</p> <p>22. Fixed WEBUI showing incorrect HDD and SSD temperatures.</p> <p>23. Fixed DDNS accepting invalid characters.</p> <p>24. Resolved issue with LAN settings changing after BMC reboot.</p> <p>25. Fixed Redfish @odata.etag properties format issue.</p> <p>26. Resolved non-responsive System button in Dashboard.</p> <p>27. Updated slot format in Physical Storage view in Web GUI.</p> |
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*Release Notes from Previous Release(s)*

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| <p><b>01.02.26 (03/15/2024)</b></p> <p>Regular release</p> |
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| <b>Release Version</b>  | <b>01.02.26</b>    |
| <b>Build Date</b>       | <b>03/15/2024</b>  |
| <b>Previous Version</b> | <b>01.02.09</b>    |
| <b>Update Category</b>  | <b>Recommended</b> |
| <b>Dependencies</b>     | <b>BIOS R1.1a</b>  |

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| <p><b>Important Notes</b></p> | <p><b>BMC Image:</b><br/> <b>BMC_SCMAST2600-ROT20-2501MS_20240315_01.02.26_STDsp.bin</b><br/> <b>BMC Update Package:</b><br/> <b>BMC_SCMAST2600-ROT20-2501MS_20240315_01.02.26_STDsp.zip</b></p> <p><b>*It is critical to follow the proper sequence when updating the BMC.</b></p>  |
| <p><b>Enhancements</b></p>    | <ol style="list-style-type: none"> <li><b>1. The firmware inventory webpage is slow when system is powered off.</b></li> <li><b>2. Added support for Memory/GPU_x/MemoryMetrics.</b></li> <li><b>3. Resolved issue where CPLD update failed sometimes.</b></li> <li><b>4. Resolved the issue of the Backplane CPLD update being too slow.</b></li> </ol>   |
| <p><b>New Features</b></p>    | <p><b>N/A</b></p>  |
| <p><b>Fixes</b></p>           | <ol style="list-style-type: none"> <li><b>1. Resolved the issue where GPU page hung indefinitely.</b></li> <li><b>2. Resolved the issue where no information was displayed in the GPU tab.</b></li> <li><b>3. Resolved the issue where UID remained solid on after holding the UID button for more than 12 seconds.</b></li> <li><b>4. Resolved the issue where IPMI Redfish automation check power supply version failed.</b></li> <li><b>5. Resolved the issue where CPU temp sensor read "0" on one of the two nodes during cburn on or off.</b></li> <li><b>6. Resolved the issue where all sensors reported "NA" during ON/OFF</b></li> <li><b>7. Resolved the issue where the M.2 Sensor was dropping during power ON/OFF BPC</b></li> <li><b>8. Resolved the issue where both nodes fail ONOFF with E1.S drives</b></li> <li><b>9. Resolved the issue where the storage monitoring was inaccessible in the Web GUI.</b></li> <li><b>10. Resolved the issue where the Storage Monitoring tab was missing.</b></li> </ol> |
|                               | <ol style="list-style-type: none"> <li><b>11. Resolved the issue where the storage monitoring displayed incorrect drive information.</b></li> <li><b>12. Resolved the issue where CG1 systems with Dual BF3 GPUs showed two CPLD AOM 1 Bridge Board AOM-BB-GP102 entries</b></li> <li><b>13. Resolved the issue where the BIOS could not be updated when system was in BIOS setup.</b></li> <li><b>14. Resolved the issue where the GPU component info page was empty, and/Chassis/1/PCIeDevices/GPU[x] could not be found.</b></li> <li><b>15. Resolved the issue where the system failed to unmount the ISO image.</b></li> </ol>  |

*Release Notes from Previous Release(s)*

**01.02.09 (11/10/2023)**

Initial Release