

# IPMI Firmware Release Notes Form

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<b>Product Name</b>	<b>G1SMH-G</b>
<b>Release Version</b>	<b>01.03.33</b>
<b>Build Date</b>	<b>11/02/2024</b>
<b>Previous Version</b>	<b>01.03.31</b>
<b>Update Category</b>	<b>Recommended</b>
<b>Dependencies</b>	<b>BIOS R2.0a</b>
<b>Important Notes</b>	<b>BMC Image: BMC_SCMAST2600-ROT20-2501MS_20241102_01.03.33_STDsp.bin BMC Update Package: BMC_SCMAST2600-ROT20-2501MS_20241102_01.03.33_STDsp.zip  *It is critical to follow the proper sequence when updating the BMC.</b>
<b>Enhancements</b>	<b>1. Improved consistency in Redfish and SMTP test event behavior across hardware and software.</b>
<b>New Features</b>	<b>1. Added support for validating /redfish/v1/Chassis/1/Assembly endpoint functionality.</b>
<b>Fixes</b>	<b>1. Resolved an issue where some servers did not display output after rebooting. 2. Addressed issue where the CPU temperature reading was unavailable after power cycling. 3. Corrected Redfish SSIF interface access errors.</b>

*Release Notes from Previous Release(s)*

<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>	<p><b>BMC Image:</b> <b>BMC_SCMAST2600-ROT20-2501MS_20241015_01.03.31_STDsp.bin</b> <b>BMC Update Package:</b> <b>BMC_SCMAST2600-ROT20-2501MS_20241015_01.03.31_STDsp.zip</b></p> <p><b>*It is critical to follow the proper sequence when updating the BMC.</b></p>
<b>Enhancements</b>	<ol style="list-style-type: none"><li><b>1. Supported up to 4x AOM Bridge Boards in firmware inventory listing.</b></li><li><b>2. Improved Redfish compliance for CG1 and C2 in DMTF compliance checks.</b></li><li><b>3. Added power capping and telemetry updates for GPU processors in Redfish.</b></li><li><b>4. Enhanced SmartNIC telemetry sensor data presentation.</b></li></ol>
<b>New Features</b>	<ol style="list-style-type: none"><li><b>1. Added support for Remote Attestation Provision and Dump on X14 DC-SCM.</b></li><li><b>2. Introducing new features for ARS-111GL-SHR to manage NVME eject and insert functions.</b></li><li><b>3. Implemented new CPER feature to enhance error reporting and logging.</b></li><li><b>4. Added high CT and NR definitions for H100NVL and H200NVL GPU sensors.</b></li></ol>

Fixes	<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

Product Name	G1SMH-G
Release Version	01.03.16
Build Date	07/31/2024
Previous Version	01.02.26
Update Category	Recommended
Dependencies	BIOS R2.0
Important Notes	<p>BMC Image:  BMC_SCMAST2600-ROT20-2501MS_20240731_01.03.16_STDsp.bin  BMC Update Package:  BMC_SCMAST2600-ROT20-2501MS_20240731_01.03.16_STDsp.zip</p> <p><b>*It is critical to follow the proper sequence when updating the BMC.</b></p>

Enhancements	<ol style="list-style-type: none"> <li>1. Enhanced temperature management for BlueField-3.</li> <li>2. Allow external account service password length for more than 20</li> <li>3. Updated Redfish support for SN and PN from BPN FRU.</li> </ol>
New Features	<ol style="list-style-type: none"> <li>1. Added support for MCX75310AAS-H(N)EAT port temperature readings.</li> <li>2. Added SmartNIC-related schema in Redfish.</li> <li>3. Added XID log service in Redfish.</li> </ol>
Fixes	<ol style="list-style-type: none"> <li>1. Resolved issues with voltage (12V and 12VSB) and sensor readings.</li> <li>2. Fixed PFR Action with BMC recovery function from the golden image.</li> <li>3. Preserved SSL certificate during BMC firmware updates.</li> <li>4. Removed "PreserveNetwork" parameter in Redfish ResetToDefault action.</li> <li>5. Addressed unsupported IPMI OEM command 0x30 0x41 reset FRU</li> <li>6. Corrected Redfish API errors, including wrong string and etag formats.</li> <li>7. Fixed backward compatibility for "PreserveNetwork" in Redfish reset default.</li> <li>8. Addressed abnormal link status with MCX75310AAS-NEAT</li> <li>9. Resolved BMC Web disconnect issue after installing BlueField-3 B3220.</li> <li>10. Fixed FAN icon not changing to Red Critical on BMC WebUI.</li> <li>11. Updated SSDP Redfish version and fixed possible exceptions.</li> <li>12. Corrected "GPUx Temp" temperature reading mirror.</li> <li>13. Resolved inability to upload firmware and retrieve CPLD BPN info in Redfish.</li> <li>14. Allowed EventService RedfishEvent HTTPS with self-signed CA.</li> <li>15. Addressed BMC recovery function failure.</li> <li>16. Fixed buffer overflow vulnerability (CVE-2024-36435).</li> <li>17. Resolved SAS drives not listed under storage monitoring via Web GUI.</li> <li>18. Fixed issues with license controls in the Health Event Log.</li> <li>19. Corrected duplicated Inlet Temp sensor readings.</li> <li>20. Added BF3 900-9D3B6-00CV-AA0 subclass 07h in BF3 management.</li> <li>21. Fixed unexpected IPv6StaticDefaultGateways in Redfish.</li> <li>22. Fixed WEBUI showing incorrect HDD and SSD temperatures.</li> <li>23. Fixed DDNS accepting invalid characters.</li> <li>24. Resolved issue with LAN settings changing after BMC reboot.</li> <li>25. Fixed Redfish @odata.etag properties format issue.</li> <li>26. Resolved non-responsive System button in Dashboard.</li> <li>27. Updated slot format in Physical Storage view in Web GUI.</li> </ol>

*Release Notes from Previous Release(s)*

**01.02.26 (03/15/2024)**

Regular release

<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>
<b>Important Notes</b>	<b>BMC Image: BMC_SCMAST2600-ROT20-2501MS_20240315_01.02.26_STDsp.bin BMC Update Package: BMC_SCMAST2600-ROT20-2501MS_20240315_01.02.26_STDsp.zip  *It is critical to follow the proper sequence when updating the BMC.</b>
<b>Enhancements</b>	<b>1. The firmware inventory webpage is slow when system is powered off. 2. Added support for Memory/GPU_x/MemoryMetrics. 3. Resolved issue where CPLD update failed sometimes. 4. Resolved the issue of the Backplane CPLD update being too slow.</b>
<b>New Features</b>	<b>N/A</b>

Fixes	<ol style="list-style-type: none"> <li>1. Resolved the issue where GPU page hung indefinitely.</li> <li>2. Resolved the issue where no information was displayed in the GPU tab.</li> <li>3. Resolved the issue where UID remained solid on after holding the UID button for more than 12 seconds.</li> <li>4. Resolved the issue where IPMI Redfish automation check power supply version failed.</li> <li>5. Resolved the issue where CPU temp sensor read "0" on one of the two nodes during cburn on or off.</li> <li>6. Resolved the issue where all sensors reported "NA" during ON/OFF</li> <li>7. Resolved the issue where the M.2 Sensor was dropping during power ON/OFF BPC</li> <li>8. Resolved the issue where both nodes fail ONOFF with E1.S drives</li> <li>9. Resolved the issue where the storage monitoring was inaccessible in the Web GUI.</li> <li>10. Resolved the issue where the Storage Monitoring tab was missing.</li> </ol>
	<ol style="list-style-type: none"> <li>11. Resolved the issue where the storage monitoring displayed incorrect drive information.</li> <li>12. Resolved the issue where CG1 systems with Dual BF3 GPUs showed two CPLD AOM 1 Bridge Board AOM-BB-GP102 entries</li> <li>13. Resolved the issue where the BIOS could not be updated when system was in BIOS setup.</li> <li>14. Resolved the issue where the GPU component info page was empty, and/Chassis/1/PCleDevices/GPU[x] could not be found.</li> <li>15. Resolved the issue where the system failed to unmount the ISO image.</li> </ol>

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

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

Initial Release