

IPMI Firmware / BIOS Release Notes Form

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| Product Name | H14DSG-OD |
| Release Version | 01.02.05.12 |
| Release Date | 05/01/2025 |
| Previous Version | 01.02.05.07 |
| Update Category | Recommended |
| Dependencies | BIOS R 1.4a |
| Important Notes | IPMI image: BMC_H14AST2600-ROT20-D601MS_20250411_01.02.05.12_STDsp.bin IPMI update package: BMC_H14AST2600-ROT20-D601MS_20250411_01.02.05.12_STDsp.zip |
| Enhancements | 1. Added support for Redfish resource properties "Health" and "HealthRollup" underchassis and systems. |
| New Features | N/A |
| Fixes | 1. Fixed issue with invalid username and password handling via IPMI. 2. Resolved Web UI issue preventing the enabling of Automatic Power Cap. 3. Fixed failure to update the HGX FW package. 4. Fixed issue where IPMITool raw command failed to get/set system information parameters. 5. Fixed BMC failure to detect leakage when liquid was applied to the cold plate. 6. Fixed issue where the correct sensor and SDR count could not be retrieved using the in-band IPMITool raw command. 7. Fixed channel payload version mismatch causing valid/invalid channel failures. 8. Corrected discrepancy in GPU/HBM Temp readings between IPMI and rocm-smi. 9. Fixed failure in STAC Redfish Protocol-Validator test. |

Release Notes from Previous Release(s)

01.02.05.07 (04/08/2025)

1. Fixed issue where the Supermicro Logo was missing after Web login.
2. Fixed the issue where SSDP Configuration Fields disappeared after UI idle time.
3. Fixed the issue where uploading an SSL certificate and private key was successful, but the time period was not updated.
4. Addressed the assertion where AOC_PORTA Temp, lower critical threshold, was going low.
5. Fixed the issue where Self-Config Backup and Platform-Config Backup could not be selected when System Lockdown Mode was enabled.
6. Added support for AMD POLLARA-1Q400P AOC.
7. Fixed the issue where TelemetryCatalogOOB failed.
8. Fixed the issue where no temp sensor readings were displayed on the web GUI with the latest BMC FW.
9. Fixed the issue where IPv6 mode and IP could not be changed via BIOS setup.
10. Corrected the incorrect inlet threshold.
11. Addressed title inconsistency with field spec (Virtual Media, LLDP Receive).
12. Added support for dcmi set_asset_tag.
13. Fixed the issue where IPMITool failed to set LAN access off via OOB.
14. Fixed the issue where console capture video size was 0 B when setting "Record until POST ends."
15. Fixed the issue where the system failed to connect via UDP when SSDP was enabled.
16. Fixed the issue where the button frame style became abnormal after switching pages.
17. Fixed 2FA issues with Redfish account privileges.
18. Addressed the issue where the Java iKVM Power Control showed a repeated option for "Software Shutdown."
19. Ensured the Operator role has view-only permission for Console Capture Video.
20. Corrected the temperature reading issue for Xilinx ALVEO U55C PQ.
21. Fixed the issue where no ACD (Auto Crash Dump) file was generated for uncorrectable error events.
22. Fixed the issue with missing port Temp readings.
23. Corrected the BMC web UI layout to match the agreed specifications.
24. Fixed the issue where the system powered on via the power button after the "Liquid Cooling Error Location" trigger.
25. Addressed the inconsistency in the unit reset button behavior compared to the raw command in lockdown mode.
26. Fixed the issue where RADIUS remained editable when OFF, while LDAP and Active Directory were grayed out.
27. Fixed SMCIPMITool Automation failure in the IPMI LAN IPv6 test.
28. Added the missing "PasswordSet" attribute in the Redfish AccountService Response.
29. Resolved the issue where SNMPv2 could not be enabled.
30. Resolved the issue where Fan Groups were not displaying in the WEB UI.
31. Fixed the issue with the Redfish DumpService automation test failure.
32. Fixed the issue with PSU fan2 readings when PSU did not have fan2.
33. Resolved the issue where no [MEL-ID] was shown for PLX PCIe Switch firmware after update.
34. Updated the FSC design guide for fan zones.
35. Fixed the IPMI ECO automation test failure for multiple IPMI versions.
36. Resolved the issue with RA provisioning due to improper CSR format.
37. Fixed the delay in IPMI M2SSD temp sensor reading.
38. Fixed group SEL AOC_PORT readings in the web UI and Redfish.
39. Fixed the invalid error message when uploading CPLD firmware.
40. Resolved the false NVME_SSDA temp sensor SEL during DC ON/OFF.
41. Resolved the telemetry data availability issue for the Redfish telemetry service.

42. Mounted the KLA GPT format ISO image but failed to boot from the ISO.
43. Added MI308X to the Redfish support list.
44. Updated to MEL 1.10 to align with MEL spec ver. 1.08.
45. Added IPMI OEM commands (0x30, 0x68, and 0xf9) for BMC, Hii, and host interface status.
46. Fixed the /redfish/v1/Oem/Supermicro/\$GPU_MODEL URL format for Redfish.
47. Fixed the mechanism for handling discovery notifications sent by AMD Turin for PCIe MCTP.
48. Implemented the Redfish API for AMD OOB RAS runtime errors.
49. Added SPDM Web UI modifications for controller view and network AOC pages.
50. Incorporated SPDM Redfish functionality.
51. Appended the DHCPv6 client FQDN option (code: 39).
52. Enhanced IPv6 support.
53. Modified properties of the DHCPv6 operation mode in the Redfish API.
54. Supported DHCPv4 Option42 (NTP Servers) for BMC web configuration.

01.01.02.00 (02/15/2025)

1. Fixed issue where the NVMe SSD sensor controlled the wrong PWM.
2. Fixed issue where the PS fan could not be controlled by switching fan mode.
3. Corrected the High Critical Temperature for the NVMe SSD sensor when the system is installed with a Samsung SSD.
4. Fixed the issue where AOM_SAS and M2SSD sensors disappeared on IPMI with the latest BMC FW 01.02.04.
5. Corrected the fan control for some sensors
6. Fixed the missing Nvme_SSDA Temp sensor.
7. Fixed sensor readings disappearing when AOM-S3808NI-4NM-P is installed with a Turin CPU.
8. Fixed [IPMI ECO] WebGUI ATT test failure: Test case 4003 - BMCWebUI - Power control.
9. Fixed ECO-- 01.02.02.00 issue where SNMPv2 could not be enabled.
10. Fixed the missing NVMe_SSDx temperature sensor in X14 BMC versions 01.01.02.00-01.02.03.01.
11. Corrected the fan curve for some sensors.
12. Fixed the missing "AOM_NIC" sensor on IPMI.
13. Fixed IPMI displaying lower fan speeds for dual- rotor fans.
14. Corrected the High Critical Temperature of the PLX sensor.
15. Fixed the AOC_SSD7 temperature sensor failure during the SRMS test.
16. Corrected inconsistent default power restore configuration between BMC and BIOS.
17. Fixed device SDR via IPMI Inband with extra bytes.
18. Fixed errors when loading BMC factory defaults and logging in.
19. Fixed issue where incorrect credentials displayed raw HTML instead of an error message.
20. Fixed the IPMITool "dcmi discover" command returning inconsistent data.
21. Fixed Redfish service/reference failure.
22. Fixed the missing "AOM_NIC" sensor on IPMI.
23. Updated IPMI fan labels to distinguish "Rear Fan" as "Rear Fan A" and "Rear Fan B."
24. Fixed issue with sensors not controlling the correct fan zones.
25. Corrected the descriptions of [MEL-0072] to align with the spec.
26. Fixed the failure to receive SNMP trap for [IPMI-9036] & [IPMI-9040].
27. Corrected the fan control issue for the "HGX T-Limit" and "HGX NVMGMT" sensors.
28. Fixed issue with sensors not controlling the correct fan zones.
29. Fixed sensor readings disappearing when the AOC-SMG4-2M2-P is installed with a Turin CPU.
30. Fixed sensor readings disappearing when the AOM-S3808NI-4NM-P is installed with a Turin CPU.
31. Added Inlet Temperature Fan curve using SSTDG_REV4.08 5.1.6 and 5.2.6.
32. Supported SuperDiag report upload to BMC via Redfish.
33. CPU Power Capping page is now available.

34. [SPDM] Added I2C support.
35. Enhanced cooling page with Advanced Settings options.
36. Supported CPU power limit via Redfish API.
37. Implemented automatic GPU model detection and URL conversion.
38. Redesigned BMC configuration backup & restore functionality.
39. Enhanced BMC stability

01.01.02.00 (01/13/2025)

First release.