IPMI Firmware Release Notes Form

Product Name	**H12DST-B**
Release Version	**3.10.37**
Release Date	**7/05/2023**
Previous Version	**3.10.35**
Update Category	**Recommended**
Dependencies	**N/A**
Important Notes	**IPMI Image:** **BMC_H12AST2500-B101MS_20230705_03.10.37_STDsp.bin** **IPMI Update Package:** **BMC_H12AST2500-B101MS_20230705_03.10.37_STDsp.ZIP** **Note:** **If the IPMI firmware revision is earlier than 3.10.20, please do not select the "Preserve SDR" check box during IPMI firmware update.**
Enhancements	**N/A**
New features	**N/A**
Fixes	1. **Fixed issues with JAVA and Redfish KVM failing to work when logging in as operator.**

3.10.35 (3/25/2023)
1. **Fixed the problem with MUX force switch.**

3.10.33 (1/18/2023)
1. Modified the SmartPower function
2. Fixed the issue with support for Redfish.

3.10.30 (11/18/2022)
1. Extended execution time length VRM utility jobs.
2. Fixed the issue of VRM utility accessibility after a battery was installed.
3. Added support from iKVM/HTML5 to IMA file format.
4. Fixed the issue of the inconsistent virtual media device descriptions between web and iKVM/HTML5.
5. Fixed the issue of virtual media being able to mount an ima file online while the same task could not be carried out by iKVM/HTML5.
6. Fixed the issue of the inconsistent virtual media device descriptions between web and iKVM/HTML5.
7. Fixed the issues of Broadcom storage.
8. Fixed the issue in which the same hotkey should not be assigned to different actions via Java.
9. Fixed the issue in which the "Reset Successfully" message appeared after the system was restarted.
10. Fixed the issues of automation test failing, and failure to retrieve the BMC configuration after it was changed.

3.10.25 (3/9/2022)
1. Fixed to show DIMM temp sensors, which were not appearing.
2. Fixed an issue where the AOC_NIC Sensor Drops To 0 During ACOFF.
3. Fixed abnormal sensor readings relating to the AOC-SLG3-2M2 add-on card.
4. Fixed a security issue relating to the UPNP Web Server for SSDP.

3.10.22 (12/22/2021)
1. Thermal Policy Enhancements:
   a. Added a feature that shuts down the system when VRM temperature reaches 110 degrees Celsius.
   b. Adjusted the trigger condition of PROCHOT for the high-powered 75F3 CPU. PROCHOT will now be triggered when the temperature reaches 95 degrees Celsius nine times in a row.
2. Adjusted the CPU temperature for UCR and UNR.
3. Adjusted the floating voltage setting for the AMD CPU.
4. Fixed so that a valid domain name can now be saved on the Active Directory page.
5. Fixed the mismatching time in SSM SEL, and call home service event that fails during a call home test.
6. Fixed issue where the Remote Console Preview is unavailable.
7. Fixed the SUM test case 278 / 464 failure issue.
8. Fixed a bug where the system cannot add a user where the username is underscored.

3.10.17 (5/3/2021)
1. Modified fan speed limit.

2. Modified the Redfish PATCH method at "/Systems/1/Bios" and "/Systems/1/Bios/SD" to allow updating of BIOS attributes.
3. Updated for NCSI 100G patch.
4. Added support for Kioxia NVMe SSD.
5. Added support for CX653106A via PLDM->MCTP->SMBUS.
6. Added Intel E810 and Broadcom BMC57508 chipset, and retry mechanism to avoid unstable I2C situation.
7. Added the NVMe temperature rules for D4 command.
8. Filtered out abnormal values of VRM sensors, especially 0xFF.
9. Fixed issue with AOC-M25G-i2SM LED Link.
10. Fixed failure of IPMI automation test.
11. Fixed abnormality of severity of TAS events on the IPMIweb/Health event on the H12DSU-iN.
12. Fixed abnormality of some IPMI page displays with IE browser.
13. Fixed failure of test case 131 IPMI OEM x10cfg DDNS via SMSTC.
14. Fixed failure to log in the hostname with "_" character via IPMIweb.
15. Fixed failure of Redfish automation test.
16. Fixed problem of the system status always showing as critical on IPMI Web.
17. Fixed failure to change AlertType in BMC configuration on H12DSU.
18. Fixed inability to eject NVMe ports 2 and 3.
19. Fixed problem of Java and HTML5 iKVM opening at the same time.
20. Corrected typo in SSL Certification confirm window.
21. Fixed problem of user being permanently locked out after exceeding lockout times by SMCIPMITool.
22. Fixed issue of user account always being locked.
23. Fixed failure to write 'Unlock user event log' on the first attempt.
24. Corrected error message from 'User name must be 4~16 characters.' To 'User name must be 4~15 characters.'
25. Set file to be removed after performing unmount.
26. Fixed bug with FRU chassis type.
27. Fixed missing NVIDIA T4 GPU card information on IPMI WebUI.
28. Fixed inability of the system to perform the Insert function when the Eject function is executed and no NVMe is found in storage monitoring.
29. Fixed confirmation of the CPLD version of the backplane.
30. Fixed problem of BMC firmware showing as unknown in BIOS menu when IPMI updates to 3.10.06.
31. Fixed failure to eject or inject NVMe SSD.
32. Fixed missing NVIDIA T4 GPU card information and sensor on IPMI WebUI.
33. Fixed issue of 'Event Log' on IPMI SEL screen overlapping with 'Keyword Search' for AS -1124US-TNRP (MBD-H12DSU-IN-P).
34. Fixed problems of IPMI - BMC Network Configuration/IPv6 Support failing to restore to default setting "Enable" and disabling while flashing BMC via BMC WebUI without checking Preserve Config items until pressing F3 to load default.
35. Fixed issues with M.2 thermal readings.
36. Fixed failure to launch Java iKVM.
37. Fixed malfunction of UID control.
38. Updated the IPMI sensor threshold in order to adapt to the unique floating voltage of AMD CPU.
39. Fixed missing NIC information with VPD information on Hardware Information page of IPMI.
40. Fixed missing disk information on IPMI WebGUI.
41. Fixed issue with add-on card thermal reading.

42. Fixed problem of Intel P4510/P4610 Capacity/Link Speed/Link Width on IPMI WebGUI Storage Monitoring showing as N/A.
43. Fixed inability of SMCIPMITool to set/delete AD group.
44. Fixed inability of iKVM/HTML5 'Display Scale' to resize the inner window size.
45. Fixed failures of SUM test cases 215, 315, and 415 due to Set ADGroup GroupName Cfg.
46. Fixed failure of IPMI storage monitoring to eject 2 NVMes.
47. Fixed missing Storage Monitoring tab if OS is up without NVMe drive installed when hot plugging NVMe.
48. Fixed failure of Redfish SimpleUpdate API for BIOS firmware update.
49. Fixed failures of SUM test cases 214, 215, 223, 412, and 415 with "IPMI login failed. Please check user name and password" showing under H12DSU-iN while user can use SMCIPMI to log into IPMI.
50. Fixed failure of special characters with exclamation mark on DDNS page.
51. Fixed failure of fans to ramp up to cool 200G Mellanox NIC.
52. Fixed failure to add new node on the H12 projects (H12DST-B/H12DSU-in/H12SSW-NTR… with Milan CPU) with error message "Completion code: 0xCC..." while Rome CPU passes.

3.09.01 (11/27/2019)
1. Added IPMI support for the commands required by SPM in the ROME CPU.
2. Corrected ADMIN password after reloading IPMI configuration.
3. Added BMC firmware solution to program and store unique pre-programmed password.
4. Added display of advanced power readings trough DCMI (Data Center Management Interface) for AMD platforms.
5. Added support for third number (build version) of IPMI firmware version.
6. Added BMC Account Security.
7. Added modification for event severity.
8. Enabled sending all event logs (Health & Maintenance) to Syslog server.
9. Added UefiPxe to Redfish System boot order.
10. Added a new item for MCU update in the generalfileupload function.
11. Fixed failure of command "ipmi lan protocol 1".
12. Fixed missing relevant log when CPU Temperature increases and meets the 95 degree threshold.
13. Fixed problem of power on system onboard buzzer beeping after thermal trip event is triggered.
14. Fixed problem of CPU throttling occurring when running Linpack with ROME CPU.
15. Fixed inability to launch SOL window.
16. Fixed multiple vulnerabilities with Supermicro BMC Virtual Media.
17. Fixed failure of SPEC CPU2017 test.
18. Fixed failure to update MCU firmware.
19. Fixed problem of SEL showing error message after AOC-S3108 updates firmware.

3.02 (7/08/2019)
Initial Release