IPMI Firmware Release Notes Form

Product Name	**H12SST-PS**
Release Version	**03.10.43**
Release Date	**7/17/2023**
Previous Version	**03.10.38**
Update Category	**Recommended**
Dependencies	**N/A**
Important Notes	**IPMI Image:** **BMC_H12AST2500-B101MS_20240717_03.10.43_STDsp.bin** **IPMI Update Package:** **BMC_H12AST2500-B101MS_20240717_03.10.43_STDsp.ZIP** **Important Note:** **The following item configurations will no longer be available after upgrading to R3.10.18 or any version higher than R3.09.02 or being rolled back to R3.10.18 or any version higher than the version R3.09.02. Please re-configure these items after upgrading or downgrading: "KCS Privilege," "UID Control," "Web Session," "Healthy Event log - advanced settings," "syslog," "network -Dynamic IPv6," and "network – Static IPv6."**
Enhancements	**1. Updated the vulnerable JavaScript library prototype.js to v1.5.0.**
New features	**N/A**
Fixes	**1. Fixed issue with failing to retrieve system secure boot information.** **2. Fixed issue with failing to retrieve BIOS information .** **3. Fixed issue with IP Access Control displaying incorrect string values, such as "Number of Access Rules:0Entries" and "Number of Access Rules:1Entries."**

03.10.38 (8/07/2023)

1. Fixed issue with executing the command to remotely back up an IPMI configuration file.
2. Fixed security vulnerabilities to prevent from XSS attacks.

03.10.35 (3/25/2023)

3. Fixed the issue with the prolonged execution time in a VRM utility software.
4. Fixed the issue with information from mounting virtual media being inconsistent with BMC Web through iKVM/Java.
5. Fixed the Broadcom storage issues.
6. Fixed the issue with VDDCR showing "na."
7. Fixed the UPNP Web Server security issues with SSDP.
8. Fixed the issue in which the same hotkeys could not be assigned to different actions via Java on IKvm.
9. Fixed the issue with the failure to retrieve the BMC configurations after they were changed.

03.10.24 (2/21/2022)

1. Adjusted the CPU temperature (UCR and UNR).
2. 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.
3. [132561] (H12SST-PS/2.3/BIOS H12SST-1B45 20211006 2.3 STDsp.bin, SUM) SUM test case 278 / 464 failure.
4. CRM case SM2109049738 Remote Console Preview is unavailable
5. [136207][IPMI ECO 3.10.22] High CT is 70 in Sensor Reading not 100.
6. [136421][BIOS ECO 2.3] Automation tests Failure

3.10.18 (5/18/2021)

1. Modified the Redfish PATCH method at "/Systems/1/Bios" and "/Systems/1/Bios/SD" to allow updating of BIOS attributes.
2. Updated for NCSI 100G patch.
3. Added Intel E810 and Broadcom BMC57508 chipset, and retry mechanism to avoid unstable I2C situation.
4. Filtered out abnormal values of VRM sensors, especially 0xFF.
5. Fixed issue with AOC-M25G-i2SM LED Link.
6. Fixed failure of IPMI automation test.
7. Fixed abnormality of severity of TAS events on the IPMIweb/Health event on the H12DSU-iN.
8. Modified fan speed limit.
9. Fixed abnormality of some IPMI page displays with IE browser.
10. Fixed failure of test case 131 IPMI OEM x10cfg DDNS via SMSTC.
11. Fixed failure to log in the hostname with "_" character via IPMIweb.
12. Fixed problem of fan operating at full speed after system shutdown.
13. Fixed confirmation of the CPLD version of the backplane.
14. Added support for x710 over PLDM->MCTP->SMBUS.
15. Fixed problem of NIC_TEMP1 sensor reading showing as N/A at BMC 3.10.01.
16. Fixed failure to change AlertType in BMC configuration on H12DSU.

17. Modified AOCM2 sensor naming for X11 code base from AOC_M2_Temp to AOCM2NVMe_Temp and from AOC_M2_ART_Temp to AOCM2ART_Temp, fixed failure of AOCM2 to get temperature, and fixed malfunction of fan control for AOCM2.
18. Fixed problem of Java and HTML5 iKVM opening at the same time.
19. Corrected typo in SSL Certification confirm window.
20. Fixed problem of user being permanently locked out after exceeding lockout times by SMCIPMITool.
21. Fixed issue of user account always being locked.
22. Fixed failure to write 'Unlock user event log' on the first attempt.
23. Corrected error message from 'User name must be 4~16 characters.' To 'User name must be 4~15 characters.'
24. Fixed failure of OOB flash of BIOS from ECO to OEM BIOS, failure of BIOS to pass the secure validation, and inability to apply "LC019_X11DPFR_2U_20200804.v1.rom_Signed".
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 issue of 'Event Log' on IPMI SEL screen overlapping with 'Keyword Search' for AS -1124US-TNRP (MBD-H12DSU-IN-P).
29. 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.
30. Fixed issues with M.2 thermal readings.
31. Fixed problem of BMC firmware showing as unknown in BIOS menu when IPMI updates to 3.10.06.
32. Fixed missing NIC information with VPD information on Hardware Information page of IPMI.
33. Fixed issue with add-on card thermal reading.
34. Fixed problem of the system status always showing as critical on IPMI Web.
35. Fixed mismatch of the threshold value of improvement item and setting.
36. Fixed special characters at Configuration DDNS.
37. Fixed inability of SMCIPMITool to set/delete AD group.
38. Fixed inability of iKVM/HTML5 'Display Scale' to resize the inner window size.
39. Fixed failures of SUM test cases 215, 315, and 415 due to Set ADGroup GroupName Cfg.
40. Fixed failure of Redfish SimpleUpdate API for BIOS firmware update.
41. 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.
42. Fixed failure of special characters with exclamation mark on DDNS page.
43. Fixed failure of fans to ramp up to cool 200G Mellanox NIC.

3.09.02(12/16/2019)
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 missing relevant log when CPU Temperature increases and meets the 95 degree threshold.
12. Fixed problem of CPU throttling occurring when running Linpack with ROME CPU.
13. Fixed inability to launch SOL window.
14. Fixed problem of IPMI WebUI showing "LCMC FW does not exist" after update finishes.
15. Fixed multiple vulnerabilities with Supermicro BMC Virtual Media.
16. Fixed failure of command "ipmi lan protocol 1".
17. Fixed problem of power on system onboard buzzer beeping after thermal trip event is triggered.
18. Fixed failure of BIOS update via IPMI WebGUI with IPMI 3.09.0, of Redfish automation test, to update BIOS through BMC web, and of SUM 2.3.0-p1 (2019/09/11) (x86_64) std mode test.
19. Fixed failure of Redfish automation test and Redfish SATC.

3.04 (7/31/2019)

Initial Release