IPMI Firmware Release Notes Form

Product Name	**H12DSU-iN**
Release Version	**3.10.42**
Build Date	**02/29/2024**
Previous Version	**3.10.38**
Update Category	**Recommended**
Dependencies	**BIOS R 2.8**
Important Notes	**IPMI Image:** **BMC_H12AST2500-B101MS_20240229_03.10.42_STDsp.bin** **IPMI Update Package:** **BMC_H12AST2500-B101MS_20240229_03.10.42_STDsp.zip** **Note:** **If the IPMI firmware revision is lower than 3.10.20, please do not select the "Preserve SDR" check box during the IPMI firmware update.**
Enhancements	
New Features	**N/A**
Fixes	**1. Resolved issue with NVIDIA Blue-Field3 support and changed sensor name to "AOC_DPU."** **2. Fixed inability to read L40s GPU information via the BMC Web and TOOL.** **3. Resolved the issue of checking BMC LAN settings caused by a mismatch between the BIOS Setting page and the BMC GUI page.** **4. Rectified failure in SMSTC test where LAN hostname was not preserved.**

3.10.38 (08/07/2023)

1.   Fixed the issue with executing the command to remotely back up IPMI configuration files.

2.   Fixed security vulnerabilities to prevent from XSS attacks

3.10.35 (03/25/2023)

1. Fixed the error of failing to create RAID on BMC Storage Monitoring page

3.10.30 (11/18/2022)

1.   Fixed an issue for should not set the same hotkey on different action via Java.
2.   Fixed the issues of automation test failed, and get BMC configuration will fail after changing BMC configurations.
3.   Fixed an issue to incorrect MEL when user doesn't upload TSIG key and private file and Save Copy Project Issue Link.
4.   Fixed the SMCIPMITool can set user password without meeting complexity rules.
5.   Fixed an issue of fail to add new user name with special character ';'.
6.   Fixed an issue of the behavior is incorrect after add user name "".
7.   Fixed an issue for SMCIPMItool fail message is confusion about set x10cfg alert subject/message
8.   Fixed an issue for 'AS -2024US-TRT' has issue which the power consumption reading is always the same.
9.   Support new cards, Broadcom storage AOC S3816L-L16IR, S3808L-L8IR, and SLG4-2H8M2. AOCURG4N4-b2XT, AOC-URG4N4-m2TS, and AOC-2UR68G4-m2TS.
10. Fixed an issue the iKVM(HTML5) should be support IMA file type.
11. Fixed an issue about the Virtual media device description is inconsistent between web and ikvm html5.
12. Fixed an issue for Virtual media is able to mount ima file at web but ikvm html5 is not

3.10.26 (5/31/2022)

1.   Fixed an issue where the IPMI sensor can't get GPU nVIDIA RTX-A2000 Temp.
2.   Fixed an issue where two GPU cards appear in the IPMI GUI HW information, even when only one is installed in the PCIE slot 4.
3.   Fixed iKVM/Java plug in's mount Virtual Media information, which is inconsistent with BMC WEB.
4.   Fixed Broadcom storage device detection issues.
5.   Fixed BIOS Revision, which is not showing either in WEB or SMCIPMITool hwinfo.
6.   Fixed issue where there is no sensor on the BMC sensor reading, when inserting AOCMCX683105AN-HD.

3.10.25 (3/9/2022)

1.   Adjusted the CPU temperature (UCR and UNR).
2.   Adjusted the floating voltage for the AMD CPU.
3.   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.

4. IPMI GUI HW info shows two GPU cards in PCIE Slot4.
5. Function -- Can't add user when user name has underscore.
6. CPU1_Process throttled event is consistently triggered!
7. IPMI web GUI shows AOC_NIC sensor with no cards plugged in.
8. Fan removal display issue in Redhat Linux.
9. NVMe storage monitoring info has extra period with SK Hynix PE8010.
10. The CPU voltage (SOC RUN) is triggered by VMWare.
11. Unable to save valid domain name on AD page.
12. Security issue with UPNP Web Server for SSDP.

3.10.17 (5/03/2021)

1. Added new NVMe backplanes: BPN-SAS3-LA26A-N12 @ID: 0026, 1302, NVMe count: 4 drives, and BPN-SAS3-LB16A-N10 @ID: 0025, 1301, NVMe count: 10 drives.
2. 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.
3. Fixed failure of special characters with exclamation mark on DDNS page.
4. Fixed failure of fans to ramp up to cool 200G Mellanox NIC.
5. Fixed inability of SMCIPMITool to set/delete AD group.
6. Fixed inability of iKVM/HTML5 'Display Scale' to resize the inner window size.
7. Fixed failures of SUM test cases 215, 315, and 415 due to Set ADGroup GroupName Cfg.
8. Fixed failure of IPMI storage monitoring to eject 2 NVMes.
9. Fixed problem of error being returned when saving the range to 254 at "Host IP Address".
10. Fixed problem of hitting message shifting the position in "Bind Password" field (LDAP).
11. Fixed missing Storage Monitoring tab if OS is up without NVMe drive installed when hot plugging NVMe.
12. Fixed failure of Redfish SimpleUpdate API for BIOS firmware update.

3.10.13 (1/29/2021)

1. Added INTEL E810 and Broadcom BMC57508 chipset.
2. Added retry mechanism to prevent I2C instability.
3. Fixed issue of 'Event Log' on IPMI SEL screen overlapping with 'Keyword Search' for AS - 1124USTNRP (MBD-H12DSU-IN-P).
4. 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.
5. Fixed issues with M.2 thermal readings.
6. Fixed missing NIC information with VPD information on Hardware Information page of IPMI.
7. Fixed problem of Storage Monitoring only detecting 12/24 NVMe drives.
8. Fixed missing disk information on IPMI WebGUI.
9. Fixed issue with add-on card thermal reading.
10. Fixed problem of Intel P4510/P4610 Capacity/Link Speed/Link Width on IPMI WebGUI Storage Monitoring showing as N/A.
11. Fixed bug that causes BMC to detect AOC-URG4N4-i4XTS or AOC-URG4N4-i2XTS failure.

3.10.06 (8/28/2020)

1. Added the NVMe temperature rules for D4 command.
2. Added support for BPN-SAS3-LA26A-N12.
3. Fixed problem of the system status always showing as critical on IPMI Web.
4. Fixed failure to change AlertType in BMC configuration on H12DSU.
5. Fixed failure of AOC-2UR66G4-i4XTs multi sensor reading to modify PLDM sensor naming or reload page after detecting NVMe.
6. 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.
7. Fixed problem of Java and HTML5 iKVM opening at the same time.

8. Corrected typo in SSL Certification confirm window.
9. Fixed problem of user being permanently locked out after exceeding lockout times by SMCIPMITool.

10. Corrected AOC-URG4N4-i2xts NIC's sensor naming and sensor reading.
11. Fixed issue of user account always being locked.
12. Fixed failure to write 'Unlock user event log' on the first attempt.
13. Corrected error message from 'User name must be 4~16 characters.' To 'User name must be 4~15 characters.'
14. 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".
15. Set file to be removed after performing unmount.

3.10.05 (7/2/2020)
1. Removed ability of all fans to run at 40% under idle mode.
2. Fixed problem of NIC_TEMP1 sensor reading showing N/A at BMC 3.10.01.
3. Fixed missing NVMe control under Server Health on IPMI WebGUI.
4. Fixed missing NVIDIA T4 GPU card's information on IPMI Web UI.
5. Fixed abnormality of TAS event severity on the IPMI Web/Health event on the H12DSU-iN.
6. Fixed inability of the system to perform the Insert function when the Eject function is executed and no NVMe is found in storage monitoring.
7. Fixed issues with NVMe hot-swap.
8. Fixed bug with FRU chassis type.
9. Removed MB_NIC_Temp 1 and 2.

3.10.03 (6/2/2020)   Initial Release