

# IPMI Firmware Release Notes Form

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<b>Product Name</b>	H12DSU-iN
<b>Release Version</b>	3.10.30
<b>Build Date</b>	11/18/2022
<b>Previous Version</b>	3.10.26
<b>Update Category</b>	Recommended
<b>Dependencies</b>	BIOS R 2.5
<b>Important Notes</b>	IPMI Image: BMC_H12AST2500-B101MS_20221118_03.10.30_STDsp.bin IPMI Update Package: BMC_H12AST2500-B101MS_20221118_03.10.30_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.
<b>Enhancements</b>	Prolong execution time on VRM utility.
<b>New features</b>	N/A
<b>Fixes</b>	<ol style="list-style-type: none"><li>1. Fixed the issue in which the same hotkey should not be assigned to different actions via Java.</li><li>2. Fixed the issues of automation test failing, and failure to retrieve the BMC configuration after it was changed.</li><li>3. Fixed the issue of incorrect MEL when users didn't upload a TSIG key and a private file.</li><li>4. Fixed the issue in which a user password could be set with the SMCIPMITool without following complexity rules.</li><li>5. Fixed the issue of failing to add a new user name with a colon (;).</li><li>6. Fixed the issue of the incorrect behavior after a double quotation mark (“ ”) was added to a user name.</li><li>7. Fixed the issue of confusion over setting an x10cfg alert subject/message in an SMCIPMITool failure message.</li><li>8. Fixed the issue in which the power consumption reading was always the same on AS -2024US-TRT.</li><li>9. Added support for new cards, including Broadcom storage AOC S3816L-L16IR, S3808L-L8IR, and SLG4-2H8M2. AOC-URG4N4-b2XT, AOC-URG4N4-m2TS, and AOC-2UR68G4-m2TS.</li><li>10. Fixed the issue in which iKVM (HTML5) should support the IMA file format.</li></ol>

	<p>11. Fixed the issue of the inconsistent virtual media device descriptions between web and iKVM/HTML5.</p> <p>12. 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.</p>
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***Release Notes from Previous Release(s)***

**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 AOC-MCX683105AN-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 NVMe's.
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 -1124US-TNRP (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