IPMI Firmware / BIOS Release Notes Form

Product Name	H11DST-B
Release Version	1.52.18
Release Date	01/30/2023
Previous Version	1.52.0
Update Category	Recommended
Dependencies	BIOS R 2.5
Important Notes	**IPMI Image:** BMC_H11AST2500_6101MS_20230130_1.52.18_STD.bin **IPMI Update Package:** BMC_H11AST2500_6101MS_20230130_1.52.18_STD.ZIP **Important Note:** 1. **IPMI firmware version R1.52.18 or newer is with a signed key. Once you upgrade to this firmware version, the device cannot rollback to a previous, unsigned IPMI firmware.** 2. **The following configuration items will be lost after upgrading to R1.52.18 or higher from version before R1.52.18, or rolled back from R1.52.18, or higher to a version before R1.52.18. Please re-configure 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. Improved NVMe BPN recognition to support for more CPLD generation 2 formats(0x55~0x58) 0x55 - CPLD GEN2 format 0x56 - CPLD GEN2 format with date code 0x57 - MCU GEN2 format 0x58 - MCU GEN2 format with date code. 2. Modified the Redfish PATCH method at "/Systems/1/Bios" and "/Systems/1/Bios/SD" to allow updating of BIOS attributes. 3. Updated the NCSI 100G patch 4. Improved BMC's system access to SMBus during system reset.
New features	1. Prolonged execution time on VRM utility. 2. Added INTEL E810 and Broadcom BMC57508 chipset.
Fixes	1. Fixed an issue where IPMICFG cannot get information normally under SLES 12 SP4. 2. Fixed an issue where the GPU status shows N/A on IPMI Web Sensor Readings when the NVIDIA Tesla V100S are installed. 3. Fixed the yellow Icon in the System Health No event Log. 4. Fixed the get fail output w/ command "ipmi lan protocol 1"

| | 5. Fixed the Power on system onboard buzzer that still beeps even after triggering the thermal trip event.
6. Fixed issue that returned a failed output w/ command "ipmi lan protocol 1"
7. Fixed the AOC-M25G-i2SM LED Link issue
8. Fix an issue where there is no NVMe sensor reading on IPMI WebGUI.
9. Fixed Failure to set user name with special characters thru SMCIPMITool
10. Fixed "Can't eject NVMe HDD successfully and the there are typo on the confirm window"
11. Fixed the BIOS which cannot successfully read/write redriver for NVMe during boot. |

1.52.0 (11/18/2019)

1. Corrected ADMIN password after reloading IPMI configuration.
2. Added support for third number (build version) of IPMI firmware version.
3. Added BMC Account Security.
4. Added modification for event severity.
5. Enabled sending all event logs (Health & Maintenance) to Syslog server.
6. Added UefiPxe to Redfish System boot order.
7. Added display of advanced power readings trough DCMI (Data Center Management Interface) for AMD platforms.
8. Added BMC firmware solution to program and store unique pre-programmed password.
9. Fixed problem of SEL showing error message after AOC-S3108 updates firmware.
10. Fixed failure of comparison between new_bmccfg_006_029.xml and bmccfg_after_update_006_029.xml.
11. Fixed multiple vulnerabilities with Supermicro BMC Virtual Media.
12. Fixed missing relevant log when CPU Temperature increases and meets the 95 degree threshold.
13. Fixed failure of system to display screen after flashing BIOS.
14. Fixed issues with SPM REST API PASS.
15. Fixed problem of CPU throttling occurring when running Linpack with ROME CPU.
16. Fixed inability to launch SOL window.
17. Fixed issue of SATA/hybrid SKU OCP shutting down while running SPEC SPU 2017

1.46 (5/22/2019)

1. Adjusted the VDDCR threshold for all H11 projects.
2. Improved SMBIOS data loss when AC is on.
3. Fixed inability of the power value of SPM to match the power value of IPMI and power meter.
4. Fixed incorrect KEYPAD * and + key maps via IPMI iKVM console and KEYPAD on physical keyboard.
5. Fixed issue with BIOS upgrade format under Web GUI.
6. Fixed problem of degraded & unavailable SEL event appearing after Broadcom 3108 firmware is updated.
7. Fixed mismatch of Redfish FullList Allowed Operation.
8. Fixed malfunction of KVM and remote control after using SSH in SMASH with AD account.

1.44 (3/06/2019)

1. Patched for CVE-2019-6260 pantsdown.
2. Changed the naming for Health Event Log & Maintenance Event Log in Web UI.
3. Moved NIC/GPU URLs from chassis/ into systems/.
4. Changed the naming for Health Event Log & Maintenance Event Log in Redfish.
5. Prevented possible issues with setting up IPV6 and VLAN.
6. Added support for the riser feature with multi-chip.
7. Enabled clearing all system event logs without generating any log.
8. Enabled dumping all the system event logs.
9. Fixed the issue of the DIMM sensor disappearing when CPU 2 is not installed after 30 minutes of startup.
10. Fixed issue of "Save uncompleted" message appearing when changing time and saving it on IPMI Web.
11. Fixed multiple Web UI formatting issues.
12. Fixed the issue with CPU throttle.
13. Fixed missing deassert log after system recovers from CPU overheat.
14. Fixed inability to clean IPMI Hostname and issues of the session timing out after accessing system event log page and BMC continuously rebooting.
15. Fixed failure of IPMI SOL.

16. Added support for NVIDIA T4 GPU device.
17. Fixed malfunction of IPMI Web Date & Time Configuration.
18. Fixed issue of the system status not referencing PSU state when AC is lost.
19. Fixed problem of BMC being damaged after running ARP stress test for over 24 hours.
20. Corrected pop-up message when deleting a group in Active Directory.
21. Fixed issue with BMC memory leak.
22. Corrected grammar error on the Alert page.
23. Fixed failure to save LDAP port to 389 after it was saved as SSL-enabled 636 in Web.
24. Fixed the issue of a fan error message appearing during AC ON/OFF test when the fan is not connected to the system.

1.38 (8/31/2018)
1. Adjusted the SOCRUN threshold for all H11 projects.
2. Added new OEM commands for CPU power capping.
3. Fixed problem of BIOS screen reporting less memory after power cycle.
4. Fixed problem of IP Access Control Issue being reported from CRM #SM1806148647.
5. Fixed problem of EVENT SEVERITY in the email alert content being inconsistent with the info set on IPMI Configuration.
6. Fixed incorrect IPMI pop-up message when performing Factory Default on IPMI Web.
7. Fixed inability of BMC 1.37 to modify the event log on WebGUI.
8. Fixed inability to clean IPMI Hostname.
9. Fixed problem of sensor showing "RED" after every AC cycle chassis intrusion.
10. Fixed problem of NVMe temperature staying high on sensor reading page when NVMe temperature cools down.
11. Fixed failure of Redfish API test.
12. Fixed failure of Redfish Automation Tool test.

1.34 (05/30/2018)
1. Adjusted the SOCRUN threshold for all H11 projects.
2. Added NVMe backplane support for BPN-NVMe3-217BHQ and BPN-SAS3-217BQH-N4.
3. Added AMD-specific OEM command set 0x30 0x80 to read the current package power of CPU and set safe package power of CPU.
4. Added support for NVMe hotplug and software ejection and insertion.
5. Added support for smart power in BigTwin type.
6. Fixed inability to run Redfish Automation Tool and implemented use of PWROK to filter out abnormal PMBAlert interrupt triggers to avoid system startup delays.
7. Fixed problem of the BMC receiving "CPU1 Temp - Processor Automatically Throttled - Assertion" event log every time the system is powered on via AC On and then manually powered off via DC Off.
8. Fixed incorrect display of power consumption.
9. Fixed failure of UID to shut off.
10. Fixed inability to detect AOC_NIC_Temp sensor.
11. Fixed fan problem on idle.

1.27 (04/13/2018)
1. Fixed problem of CPU 2 Memory DIMM H1 (infrequently) dropping after off/on event.
2. Fixed failure of Redfish Automation Tool test.