IPMI Firmware / BIOS Release Notes Form

Product Name	**H11DST-B**
Release Version	**1.52.0**
Release Date	**11/18/2019**
Previous Version	**1.46**
Update Category	**Recommended**
Dependencies	**N/A**
Important Notes	**IPMI Image: SMT_H11AST2500_32M_152_0.bin** **IPMI Update Package: SMT_H11AST2500_32M_152_0.ZIP**
Enhancements	1. **Corrected ADMIN password after reloading IPMI configuration.**
New features	1. **Added support for third number (build version) of IPMI firmware version.** 2. **Added BMC Account Security.** 3. **Added modification for event severity.** 4. **Enabled sending all event logs (Health & Maintenance) to Syslog server.** 5. **Added UefiPxe to Redfish System boot order.** 6. **Added display of advanced power readings trough DCMI (Data Center Management Interface) for AMD platforms.** 7. **Added BMC firmware solution to program and store unique pre-programmed password.**
Fixes	1. **Fixed problem of SEL showing error message after AOC-S3108 updates firmware.** 2. **Fixed failure of comparison between new_bmccfg_006_029.xml and bmccfg_after_update_006_029.xml.** 3. **Fixed multiple vulnerabilities with Supermicro BMC Virtual Media.** 4. **Fixed missing relevant log when CPU Temperature increases and meets the 95 degree threshold.** 5. **Fixed failure of system to display screen after flashing BIOS.** 6. **Fixed issues with SPM REST API PASS.**

	7. Fixed problem of CPU throttling occurring when running Linpack with ROME CPU.
	8. Fixed inability to launch SOL window.
	9. 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.*