IPMI Firmware Release Notes Form

Product Name	**H12DSG-O-CPU**
Release Version	**01.04.01**
Build Date	**2/23/2024**
Previous Version	**01.03.00**
Update Category	**Recommended**
Dependencies	**BIOS 2.0 or above**
Important Notes	**IPMI Image:** **BMC_H12AST2500-ROT-2201MS_20240223_01.04.01_STDsp.bin** **IPMI Update Package:** **BMC_H12AST2500-ROT-2201MS_20240223_01.04.01_STDsp.ZIP** **Notes:** 1. **When the firmware revision is 1.01.11 or above, do not manually set the dedicated LAN port to 1 Gbps.** 2. **If the IPMI firmware revision is earlier than 1.01.01, please do not select the "Preserve SDR" checkbox during the IPMI firmware update.**
Enhancements	1. **Fixed CVE-2023-4879.** 2. **Fixed CVE-2023-48795.** 3. **Fixed CVE-2023-33413.**
New features	**N/A**
Fixes	1. **Fixed issue with mounting the image file.** 2. **Fixed issue with downloading the IPMI configuration file.**

01.03.00 (10/4/203)
1. Improved NVIDIA L40S to be fully detected in IPMI WebGUI.
2. Fixed the issue with sensor names not matching with spec definitions.
3. Fixed the issue in which no related MEL data was generated when Active Directory was set up manually or with SMCIPMITOOL.
4. Fixed the issue in which no related MEL data was generated when LDAP was set up manually or with SMCIPMITOOL.
5. Fixed the issue in which LDAP and Active Directory Add Rule require both Remote User and Remote Group fields to be filled out when another type B UI only requires either of them.

01.01.13 (5/22/2023)
1. Fixed IPMI alerts on CPU1_VRMIN and CPU1 Temp.

01.01.12 (4/17/2023)
1. Modified the AMD GPU V620 to read temp addresses.
2. Fixed the issue in which NTP server could not be synced when BMC had an IPv6 DNS address.
3. Fixed the issue in which the Upload Floppy Disk (ima/img) behavior was abnormal after the "Save" button was clicked.
4. Fixed the error of RoT sending messages every minute.
5. Fixed the error of sensor names mismatching with the sensor specifications.
6. Fixed the failure of reading KMS settings and the problem of missing BIOS settings on a KMS module.
7. Fixed the issue with website hanging when NTP was enabled and the primary NTP server was invalid.
8. Fixed the issue in which the storage card sensor failed during ON/OFF cycle.
9. Fixed the issue in which switchers went out of order due to multiple requests sent simultaneously from DDNS.

1.01.01 (12/14/2021)
1. Adjusted the CPU temperature (UCR and UNR).
2. Added support for ten AOCs in the system configuration.
3. Added the AMD GPU MI210.
4. Added the Supermicro Storage AOC support.
5. Fixed the inability to create RAID00 in Controller View.
6. Fixed an issue where the Maintenance Event Log (MEL) records gibberish when saving a username through smcipmitool using special characters.
7. Fixed a behavior mismatch when adding an IPv6 address.
8. Corrected an issue where using special characters on a username are allowed.
9. Corrected an issue where user passwords with 20 characters or more are allowed.
10. Fixed an issue where an incorrect FRU info is displayed after modifying system.
11. Fixed an issue where enabling the NTP server will generate a pop-up message twice.
12. Fixed an issue where a floppy disk cannot upload when the file extension is ".ima".
13. Fixed an issue where the Power Consumption X axis does not match as the timeline.
14. Fixed an issue where an error message does not generate when creating a new account with same username and password.

1.00.41 (10/22/2021)

1. Fixed problem of IPMI sending "[BIOS] SPI Channel attack is prevented" when inserting Broadcom NIC card.
2. Fixed ability to create an anonymous account or null value on hardware IPMI.
3. Fixed buffer overflow in ipmi_lan ASF protocol.
4. Fixed failure to delete resolv.conf, which may cause a potential DNS hijacking.

1.00.38 (8/9/2021)

1. Added support for GPU NVIDIA A40 & A10.

1.00.35 (6/3/2021)

1. Added support for GPU NVIDIA A40 & A10.

1.00.33 (2/23/2021)

1. Fixed inability of NVMe device to display correct information to user.
2. Fixed issue with finding IPMI SDR reading AOC_NIC name after updating IPMI firmware v1.00.32.

1.00.32 (1/29/2021)

1. Added GPU fan control for PCIe board.
2. Added support for getting HBM temperature for AMD GPU MI100 A2.
3. Fixed problem of system throttling when only one PSU is present.
4. Fixed failure to receive de-assertion event while plugging in the FAN cable on the H12SSWNTR and x12spz works.
5. Fixed problem of system sometimes getting "CPU1 Temp - Processor automatically throttled - Assertion".
6. Fixed inability of user to log in after setting up IPMI login password with "\" character.
7. Fixed problem of IPMI WebGUI getting error message from NVMe device during DC on/off testing.
8. Fixed problem of Alert LED blinking after power state is recovered.
9. Fixed delay in detecting FAN failure when FAN connector is disconnected.
10. Fixed delay in triggering Alert LED when IPMI detects power failure.
11. Fixed error when reading temperature for AMD MI100 A2.
12. Fixed failure of UKVM on the some RoT projects.

1.00.20 (9/16/2020)

1. Updated MI50 GPU threshold (UNC:95, UC:100, UNR:110).
2. Adjusted the threshold of VDDCR from UNC to 1.575, UCR to 1.732, and UNR to 1.811.
3. Fixed problem of TDP Watts showing as 0 on Component Info - CPU page.
4. Fixed failure of IPMIECO Automation test.
5. Fixed problem of the system state staying critical when the power is off and failure of the format to follow SPEC on Component Info page.
6. Fixed problem of login page showing "Browser not support" even when using Chrome.
7. Fixed failure of SUT to power on automatically after "-c BiosRotManage --action UpdateGolden --reboot" process completes.
8. Fixed problem of sensor status showing as critical while system status and sensor reading are normal.
9. Fixed failure of some items on some pages to translate into Japanese and Simplified Chinese.
10. Fixed mismatch of the format of Inventory page and latest SPEC.
11. Fixed inability to update BIOS through BMC WebUI.
12. Fixed inability to use remote console function.

13. *Fixed failure of NVMe SSD eject function in IPMI WebGUI.*
14. *Fixed inability of H12DSG BMC firmware 1.0.6 to recover unique password by command 0x30 0x40.*
15. *Fixed missing motherboard CPLD version on IPMI WebGUI dashboard.*
16. *Fixed problem of NVMe ejecting randomly during IPMI on/off test.*
17. *Fixed failure of IPMI execution when running IPMI ECO Automation.*
18. *Corrected display of popup message.*

1.00.06 (6/5/2020)
 Initial Release