

BMC Firmware Release Notes Form

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Product Name	X13DDW-A
Release Version	1.00.54
Build Date	05/23/2023
Previous Version	1.00.45
Update Category	Recommended
Dependencies	None
Important Notes	None
Enhancements	Note
New features	None
Fixes	<ol style="list-style-type: none">1. Fixed: [154547] BMC buttons were grayed out and not available for Blink/Unblink, Make Unconfigured Good and Eject/Insert options.2. Fixed: [156179] ECO -- 20899 -- 1.00.52 -- illegal X13 voltage sensor names: 12V, 5VCC, 3.3VCC, 5VSB, 3.3VSB, 2.5V BMC, 1.8V BMC, 1.2V BMC, 1.0V BMC, 1.8V PCH, PVNN PCH, 1.05V PCH.3. Fixed: [156015] ECO -- 16914 -- 01.01.43 -- UI Dashboard BIOS Firmware Version showed as 1.4b when it should be 1.5.4. Fixed: [155317] ECO -- 16914 -- 01.01.39(02/28/2023) -- SUM tool couldn't get BIOS build date, but web and SMCIPMITool showed normally.5. Fixed: [155123] [IPMI 01.00.07] Sensor reading did not match with SPEC.(Supermicro_BMC_Sensor_Naming_Guideline_2.4_Draft_03062023.xlsx).

	6. Fixed: [155400] [Solidigm D5-P5430][BMC 01.00.17] IPMI WebGUI Storage Monitoring did not show drive information. 7. Fixed: [152996] [QCL-AOC-A25G-i4SM] The AOC linking status was not present. AOC-NIC's NVM issue, BMC send NC-SI command could fix this issue.
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Release Notes from Previous Release(s)

1.00.45 (02/04/2023)

The Release Notes made enhancements on the following items:

1. Modified X13DDW SPECpower setting table.
2. [Beta_CFG1] There should only be onboard LAN MAC present on the BMC dashboard according to BMC_Network_AOC_Monitoring_Spec_v1.9.
3. Changed host interface MAC to EUI-48 in default. This will prevent the host OS from sometimes still getting the global MAC for the host interface. Made PSU 5VCC output higher than 5.1V or 5.2V base voltage. According to measurement data, RD got the measurement data of CloudDC system 1U PSU 5.156V output voltage at ATX connector through a multimeter. But BMC read back 5.26V in maximum. So, RD adjusted BMC ADC1 and lowered one level to compensate for the large PSU 5VCC plus voltage bias.

The Release Notes fixed the following issues:

1. WebGUI CPU Speed info feature broken in 01.00.39.
2. When the ISO image is mounted successfully, there should be a "Task Message".
3. Fixed broken feature in 01.00.35: Redfish.Managers.IKVM test 100% FAIL.
4. Storage pages were not refreshed automatically after the configuration was changed.
5. Supported dump dual boot CPLD firmware feature.
6. ROT2 related MEL review. Added the following MELs:
 - a. Erased BMC/BIOS image successfully.
 - b. Erased BMC/BIOS image unsuccessfully.
 - c. Restored with Backup BMC/BIOS is initiated.
 - d. Updated golden BMC/BIOS is initiated.
 - e. Copied BMC/BIOS to evidence area is initiated.
 - f. Copied BMC/BIOS to evidence area successfully/unsuccessfully.
 - g. Recovered the current image is initiated.
 - h. Recovered the current image is failed.
7. If the BMC hostname contains the "@" symbol, the BMC hostname will result in an incorrect value at X13. [Security] Unrestricted input on parameter `bmcpv6_dns_server` in Network Configuration at X13 2022_08_03. [Security] Unrestricted input on parameter `bmcpv6_addr` in Network Configuration at X13 2022_08_03.
8. Reviewed the Intel temperature sensor.
9. [Beta_CFG3] There's a PSU event present after the BMC reset.
10. Fixed broken WebGUI feature: In 01.00.29, session timeout URL redirect may show 400, 500, or 404.

- 11. [Gen5 NVMe Samsung PM1743/SYS-121C-TN2R] Fixed incorrect display info for "Drive functional", "Percentage drive life used", and on IPMI.*
- 12. Fixed RT1/RT2 temperature sensor tuning.*
- 13. Disabled TLSv1.0 and TLSv1.1.*
- 14. [IPMI ECO] AIOM1/2 Slot Location is incorrect in IPMI Web Network AOC section.*
- 15. Failed to update BIOS thru WebGUI and SUM.*

1.00.28 (11/03/2022)

- 2. Reduced the emmc clock from 25MHz to 20MHz.*
- 3. Improved performance by cloning BMC active image to the GOLDEN partition.*
- 4. Refactored GPU related BMC feature.*
- 5. Improved the BMC ethernet connectivity stability.*
- 6. Improved the BMC web http/https response Stability.*
- 7. Enabled I2C protection map.*
- 8. Maintained firmware maturity on Redfish SATC test.*
- 9. Improved the passing rate in the following test cases: TC219, TC502, TC507, TC508, and TC509.*
- 10. Added webGUI BPN fwUP support for BPN-NVME5-LA26A-S12 and BPN-NVME5-LA15-S4 BPN-SAS4-LB13A-N2.*
- 11. Added webGUI BPN fwUP support for BPN-NVME5-LB16A-S10.*
- 12. Enabled JNC SI with STD AOC in Auto Mode.*
- 13. Fixed webGUI->Maintenance->Task List UI crash.*
- 14. Enabled NVMe SSD 7, 8, and 9 to be ejected.*
- 15. Fixed the error message "This page isn't responding" when removed LDs.*
- 16. Fixed mounting virtual media drive via the webGUI.*
- 17. Added request to remove PMEM sensors.*
- 18. Fixed multiple sensors reading failure.*
- 19. Allowed the input of a decimal point value in the "Host IP Address".*
- 20. Added IPMI cmd 0X30 0X68 0XD 0x0 to support IPv6.*
- 21. Fixed "SystemPFA" failure when running ATT.*
- 22. Enabled changing Redfish BiosConfiguration to false when running automatic testing for test case 1709.*
- 23. Enabled test case 0906 Redfish Firmware Inventory.*
- 24. Enabled 'Make Unconfigured Good' to convert JBOD.*
- 25. Fixed the virtual media disappearing when installing the OS.*
- 26. Fixed ejected drive slots displaying "The drive is blinking State".*
- 27. Fixed an error message occurring after modifying and saving the Host IP Address.*
- 28. Fixed the active directory remote group character limit.*
- 29. Fixed test cases 293, 376, and 478 "MemoryHealthCheck".*
- 30. Fixed the Power Average Usage being higher than the Max Peak in the Power Consumption tab.*
- 31. Improved the stability on TC219, TC502, TC507, TC508, and TC509.*
- 32. Fixed the backup and golden image update window popping up when the BIOS is updated.*
- 33. Fixed the webGUI BMC and BIOS fwUP file.*
- 34. Fixed the UID pattern during BIOS fwUP.*

- 35. Fixed the system status taking more time to change status when the user triggers a critical event.
- 36. Enabled the information LED to be blinking for a FAN failure.
- 37. Corrected the BMC event when removing a FAN module.
- 38. Sped up the fan duty when removing one FAN module.
- 39. Added the UID reset feature.
- 40. Added an extra attribute ID in the DumpCollection Copy Project Issue link.
- 41. Fixed the system status taking more time to change status when user triggers a critical event.
- 42. Fixed the following two issues:
 - a. VD name limited to 15 characters with an empty red warning message.
 - b. A pop-up warning message was displayed improperly for special characters in Virtual Drive name.
- 43. Disabled the CreateDump button when the host is powered off.

Product Manager

Date