

BIOS Release Notes Form

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Product Name	X13DEH
Release Version	2.4 SPS: 6.1.4.47
Build Date	08/20/2024
Previous Version	2.3 SPS: 6.1.4.47
Update Category	Recommended
Dependencies	None
Important Notes	None
Enhancements	<ol style="list-style-type: none">1. Improved BF3 sensor patch.2. Updated AMI label to 5.32_EagleStreamCrb_0ACOR_105_BETA for uPLR2.
New features	None
Fixes	<ol style="list-style-type: none">1. Fixed WHQL USB exposed port test failed issue.2. Fixed BMC will show additional MAC address for BF3 AOC issue.

2.3 SPS: 6.1.4.47 (7/12/2024)

1. Updated AMI label to 5.32_EagleStreamCrb_0ACOR_104_Beta for uPLR2 OOB.
 2. Fixed the issue where the MAC address in tag V4 and V5 were incorrect when installing the Broadcom quad-port network adapter(BCM957504-N425G).
 3. Patch for Mellanox InfiniBand Controller MAC Address retrieval issue.
 4. Updated AMITSE module for AMI SA50216.
 5. Updated AMITSE module for AMI SA50230.
 6. Updated EDK2 NetworkPkg for AMI SA50218.
 7. Updated BIOS revision to 2.3.
 8. Added FixedBootOrder Group boot device default value.
 9. Updated the SUM OOB module to SMCOOBV2.00.22 to support Redfish to replace the display name feature.
 10. Fixed how the BIOS Setup could not set stateful mode of IPv6.
 11. Read CPU CAP ID to get VROC key activation status, and decided VMD auto mode.
 12. Enabled "Disable BIOS Done" in Factory Mode.
 13. Implemented Workload Profile function.
 14. Revised the error message for MINOR_ERR_INVALID_TOPOLOGY.
 15. BIOS only reported network device VPD.
 16. Exposed "Directory Mode Enable" and added X-AMI.
 17. Set Chassis type in SMBIOS to default (0x11) when Chassis type from the FRU was 0x00 or 0xFF.
 18. Added X-AMI for "Disable Bitmap" under "CPU1 Core Disable Bitmap" and "CPU2 Core Disable Bitmap" page.
 19. Updated Supermicro Secure Boot Main setup items X-AMI ID to match the Mapping Language Golden Sample.
 20. Improved SmcVPD third-party LAN card's function.
 21. Updated Seamless MCU capsule revision to 2.2 for EMR 2.3 BIOS (UPLR1 OOB).
 22. Updated the options for the "BMC LAN Selection."
 23. "Virtual NUMA" string modification.
 24. Added feature that enabled VMD when Intel On Demand was activated for EMR CPU.
 25. Supported both 2U and 4U system configuration.
 26. Do not report Type 9 and Type 40 to BMC if the BF3 device does not support a management interface controller, to avoid the issue with BMC showing an additional BF3 device.
 27. Default disabled UPI3 to follow System/MB PM's request.
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1. Fixed the system hang during ipv4 HTTP boot.
 2. Fixed SUM GetBiosCfg command failed issue.
 3. Fixed X710 FW information does not show correctly in BIOS setup.
 4. Fixed CX6 lan card's VPD data can't be filled in type 40.
 5. Fixed efi OS boot order is not first, if issue BMC change boot order (one time) then install efi OS by PXE.
 6. Overwrote AmiPcdChassisType to sync SYS_CHASSIS_TYPE_1 setting.

2.1 SPS: 6.1.4.5 (12/07/2023)

1. Updated AMI label to 5.32_EagleStreamCrb_0ACOR_099_Beta for BKC WW47 EMR PV candidate.
2. Updated Eagle Stream Refresh Emerald Rapids Unified Patch Engineering Release - 2023 WW47.
3. Updated VROC SATA/sSATA/tSATA/VMD EFI driver to VROC PreOS v8.5.0.1096 PC.

4. *Added VROC on Demand driver support.*
5. *Updated the SUM OOB module to SMCOOBV2.00.21 to support Redfish replacing the display name feature.*
6. *Used PCIe ASPM Support (Global) to control ASPM(PCH), PCI-E ASPM Support(IIO), Native ASPM(ACPI) option.*
7. *Hid "XPT Prefetch" in EMR CPU.*
8. *Greyed out "Preferred DNS server IP" and "Alternative DNS server IP".*
9. *Implemented BIOS setup keyword search function.*
10. *Fixed how HostInterface On/Off stress test will drop in UEFI Shell intermittently.*
11. *Updated secure boot KEK/DB to add a new Microsoft certificate.*
12. *Updated built-in SuperDiag to fixed issues, based on GIT_c4cc82130966861f501de64bd6bc4472ed05b2a5.*
13. *Default disabled OOB send replace DisplayName feature to avoid the SUM OOB test fail problem.*
14. *Made sure to assign a unique ID for NVME device.*
15. *Cleared RTC clear flag and IPMI RTC clear flag individually to prevent "Setup default has been loaded" still being displayed during next boot.*
16. *Resolved how IPV6 "Preferred DNS server IP" and IPV6 "Alternative DNS server IP" were not displayed correctly on BIOS setup.*

1.4 (09/07/2023)

17. *First release.*

Product Manager

Date