BIOS Release Notes Form

Product Name	**X13DDW-A**
Release Version	**2.4 SPS: 6.1.4.75**
Build Date	**09/23/2024**
Previous Version	**2.3a SPS: 6.1.4.47**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	**None**
Enhancements	1. **Updated revision to 2.4.** 2. **Patch for the Mellanox InfiniBand Controller MAC Address issue.** 3. **Updated AMI label to 5.32_EagleStreamCrb_0ACOR_105_BETA for uPLR2.** 4. **Updated Intel Server Platform Services SPS_E5_6.1.4.075 UPLR3 BKC for Eagle Stream Refresh ServerIntel® Server Platform Services SPS_E5_6.1.4.075 UPLR3 BKC for Eagle Stream Refresh Server.** 5. **Implemented a BIOS workaround to avoid the issue where a system is stuck at a loading iPXE image when running cburn on/off. (Default disabled)** 6. **Revised the embedded SuperDiag used in the ramdisk boot sector information.**
New features	**None**

Fixes	1. Adjusted the variable BootOrder also after the UEFI category boot order was adjusted because of an IPMI force boot. 2. Energy Efficient Turbo Setting was not set correctly in Telco NFVI Profile. 3. Fixed incorrect Hyper-Threading setting in Telco FlexRAN Profile.

Release Notes from Previous Release(s)

2.3a SPS: 6.1.4.47 (08/07/2024)

1. *Updated AMI label to 5.32_EagleStreamCrb_0ACOR_105_BETA for uPLR2.*
2. *Security update. Updated AMITSE module, EDK2 NetworkPkg for AMI SA50216, SA50230, SA50218.*
3. *Fixed the 1U 10 NVMe detection issue on port 2/3 caused by the v2.3 BIOS update.*

2.3 SPS: 4.4.4.603 (05/29/2024)

1. *Updated revision to 2.3.*
2. *Updated AMI label to 5.32_EagleStreamCrb_0ACOR_102_BETA for BKC 2024_WW12 for INTEL-SA-01036 Security Advisory to address CVE-2023-45745(7.9, High) and CVE-2023-47855(6.0, Medium) security issues.*
3.
    1. *Updated microcode for SPR HBM B stepping processor to 2C0003A1.*
    2. *Updated microcode for SPR E stepping processor to 2B0005D1.*
    3. *For INTEL-SA-01046 Security Advisory to address CVE-2023-43490(5.3, Medium) security issue.*
    4. *Updated uPLR1 OOB PRE release.*

4. *Implemented workload profile.*

2.1 SPS: 6.1.4.5 (12/07/2023)

1. *Updated Eagle Stream Refresh Emerald Rapids Unified Patch Engineering Release - 2023 WW47.*
2. *Updated Intel Server Platform Services SPS_E5_6.1.4.005 PV candidate for MCTP issue.*
3. *Exposed "Page Policy".*
4. *After using SUM to load BIOS default, BBS can be restored to default also.*
5. *Updated secure boot KEK/DB to add new Microsoft certificate.*
6. *Added BIOS setup keyword search function. (Default is disabled.)*
7. *Updated Seamless capsule revision for EMR 2.1 BIOS.*
8. *Default disabled OOB send replace DisplayName feature to avoid the SUM OOB test fail problem.*
9. *Fixed the issue of Preserving Secure Boot Keys.*
10. *Resolved the "BMC LAN Selection" setup item differing from the "LAN selection interface" under BMC WEB GUI.*
11. *Resolved IPV6 "Preferred DNS server IP" and IPV6 "Alternative DNS server IP" not displaying correctly on BIOS setup.*

1.4 SPS: 6.0.5.46 (8/10/2023)

1. *Updated Intel Server Platform Services SPS_E5_6.0.5.046 PLR3 HF for Eagle Stream Server Update 782193 Intel Server Platform Services SPS_E5_6.0.5.046 PLR3 HF for Eagle Stream Server.*
2. *Fixed SUM RoT power fail malfunction issue.*
3. *Modified ME version strings, removed the "Manufacturer ID" string.*
4. *Updated Intel BKC SPR 2023_WW21 PLR2/3, EMR 2023_WW25, and Intel RC Version 103.D70.*
5. *Fixed missing end tag (0x78) of VPD data when the VPD length is multiple of 4. (0 base).*
6. *As RTC power loss ever happens, configure BIOS build time to system time.*
7. *Memory speed should be MT/s, not MHz.*

1.3 SPS: 6.0.4.70 (06/01/2023)

1. *Updated to Intel SPR BKC_WW13 and EMR BKC 2023_WW17, Intel RC Version 101.D56*
2. *Enhanced the solution for the error/warning message from dmidecode after a modification by AMIDE.*
3. *Exposed "Opt-Out Illegal MSI Mitigation", set PPIN default to "Unlock"*

1.1 (2/02/2023)

1. *Updated AMI label to 5.29_EagleStreamCrb_0ACOR_071_BETA.*
2. *Exposed and adjusted MRRS item.*
3. *Fixed the FWTS and WHQL fail issues.*
4. *Updated VROC SATA/sSATA EFI driver to VROC PreOS v8.0.0.4006 PV.*
5. *[SmcUefiBootsOptionRedfish] In order to be compatible with the code base of SuperBIOS and AMI, use SMC's defined GUID for passing the variable to BMC.*
6. *Fixed Type 17 that does not follow SPD Spec MemoryChannelBusWidth.*
7. *Exposed CPU "Optimized Power Mode".*
8. *Updated SATA SGPIO Mode option strings for all SATA configuration menus.*
9. *Hid "Homeless Prefetch".*
10. *Added CXL card support.*

11. [SmcUefiBootsOptionRedfish] Revised inter-Group of Legacy can't be ordered.
12. Fixed issue where BIOS IIO Configuration menu will display four CPU sockets menus when loading BIOS Optimized Defaults.
13. Fixed WHQL HSTI Rollback firmware error.
14. Fixed CPU2 TDP disappears in BMC Web.
15. Corrected BankLocator for DP 1SPC projects.

1.0a (11/03/2022)

1. Changed BIOS Revision to 1.0a.
2. Updated Intel BKC WW41 from AMI label "5.29_EagleStreamCrb_0ACOR_065".
3. Fixed issue with Sum GetBiosCfg not getting current bioscfg if booted to setup menu.
4. Enhanced SUM TC: 220/271/356/457 with Windows OS to resolve boot order compare failure after flash BIOS.
5. Updated EfiOsBootOptionNames module to label 19.
6. Enhanced tool to support user disable for "CPU C1 auto demotion".
7. For chassis types "unknown" or "other", synchronization is performed from FRU0 to SMBIOS Type 03.
8. Added 1U 4 port NVMe BPN support.
9. Updated AFU to run /N or /clnevnlog commands without errors.
10. Enhanced "Supermicro Security Erase Configuration" page to use JSON format.
11. Added SecureBoot Database to meet Redfish specification and added single key Delete function.
12. AIOM NIC MAC will no longer be reported as onboard LAN to BMC.
13. Updated detection issue with VROC key.
14. Fixed issue with system config #2/@5 sensor issue.
15. Fixed issue with 1U 2 port NVMe BPN support.
16. Fixed the issue with NM CPU/memory not reading temperature.
17. Fixed the issue with the HECI2 hidden device (Bus0:Dev22:Fun0) being exposed accidentally.
18. Fixed the issue with SUM update DMI data setting every DMI value.
19. Fixed HTTP/HTTPS boot failure after kernel update.

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Product Manager   Date