

BIOS Release Notes Form

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Product Name	X13SEFR-A
Release Version	2.1
Release Date	12/07/2023
Build Date	12/07/2023
Previous Version	1.4
Update Category	Recommended
Dependencies	None
Important Notes	None
Enhancements	<ol style="list-style-type: none">1. Updated AMI label to 5.32_EagleStreamCrb_0ACOR_098 for BKC WW45. Supports Emerald Rapid CPU.2. Updated AMI label to 5.32_EagleStreamCrb_EMR_0ACOR_094_BETA for BKC WW39.3. Updated Eagle Stream Refresh Emerald Rapids Unified Patch Engineering Release - 2023 WW47.4. Updated secure boot KEK/DB to add new Microsoft certificate.5. Hid NVMe related setup items when no NVMe backplane is installed on the system.6. Added Rocky Linux and sles-secureboot OS into BIOS default identical OS list.7. Updated VROC SATA/sSATA/tSATA/VMD EFI driver to VROC PreOS v8.5.0.1096 PC.8. Added BIOS setup keyword search function.

	<p>9. Updated Intel Server Platform Services SPS_E5_6.1.4.005 PV candidate for MCTP issue.</p> <p>10. Used PCIe ASPM Support (Global) to control ASPM(PCH), PCIe ASPM Support(IIO), and Native ASPM(ACPI) option.</p> <p>11. Supported VPD data of Broadcom Network Adapter.</p> <p>12. Supported built-in diagnostics function.</p>
New features	None
Fixes	<p>1. Cleared RTC clear flag and IPMI RTC clear flag individually to prevent "Setup default has been loaded" from displaying during next boot.</p> <p>2. Resolved IPV6 "Preferred DNS server IP" and IPV6 "Alternative DNS server IP" which were not displayed correctly on BIOS setup.</p>

Release Notes from Previous Release(s)

1.4 (08/17/2023)

1. Updated Intel BKC SPR 2023_WW21_PLR2/3, EMR 2023_WW27, Intel RC Version 103.D70.
2. Enhanced the solution for the error/warning message from dmidecode after a modification by AMIDE.
3. Enhanced the no bootable device message on POST screen feature.
4. Set PPIN default value to Unlock.
5. Updated BIOS setup to align to X13 EagleStream setup template 1.4.
6. Updated PCIe Leaky Bucket Expected BER and Error Threshold items default value.
7. Followed BMC SEL_SPEC_ver. 1.37 to add SEL for UPI (topology change) link degraded.
8. Added support to use DumpSPD to dump DIMM SPD raw data under UEFI shell, Windows, and Linux OS.
9. Followed SMBIOS structure template 1.4 to modify device locator format and bank locator format in HBM SMBIOS type 17.
10. Fixed SUM RoT power fail malfunction issue.
11. Fixed COM/SOL not printing OPRM message in legacy mode.
12. Updated S3M_PCode_MCC_S3 for MCC timing issue.
13. Fixed IPv6 information in BIOS Setup.
14. Fixed Linux dmesg showing some errors.
15. Memory speed is now MT/s instead of MHz.

1.1 (1/19/2023)

1. Updated AMI label to 5.29_EagleStreamCrb_0ACOR_071_BETA.
2. Updated SPS 6.0.4.25 2S PV Hotfix Release for EagleStream Platforms.
3. Updated 806F8 Intel(R) Processor SPR E-Stepping microcode 2B000161 and HBM B-Stepping microcode 2C000120.
4. Followed the BIOS Setup Template v1.1 to hide the UPI3 feature in UP projects.

1.0a (12/2/2022)

1. Updated AMI label to 5.29_EagleStreamCrb_0ACOR_068_BETA.
2. Updated the VROC SATA/sATA EFI driver to VROC PreOS v8.0.0.4006 PV.
3. Updated SPS 6.0.3.273 2S PC Hotfix Release for Eagle Stream Platform to address the issue where the firmware enters Recovery Mode while certain NVMe drives are attached.
4. Updated AST2600 VBIOS and VGA UEFI driver to 1.13.01.
5. Followed the Intel PTU doc to expose "CPU C1 Auto Demotion" for user disable.
6. Updated the DBX file to fix a Secure Boot Bypass issue.
7. Created the UEFI OS name to automatically support a removable device (USB key).
8. Followed BMC_Network_AOC_Monitoring_Spec_v2.2 to discard sending AIOM LAN MAC to BMC.
9. Updated BIOS revision to 1.0a.
10. Fixed the AFU return error that appeared when using the /N or /cInevnlog commands.
11. Enabled the password to be saved when the PCIe resource causes the system to reboot.
12. Matched the SMBIOS type 17 memory serial number to the memory DIMM bar code.

1.0 (7/29/2022)

1. First release.