BIOS Release Notes Form

Product Name	**X13DEG-QT**
Release Version	**2.1**
Release Date	**02/16/2024**
Build Date	**12/12/2023**
Previous Version	**1.4**
Update Category	**Critical**
Dependencies	**None**
Important Notes	**None**
Enhancements	**1.[Enhancements] Updated AMI label to 5.32_EagleStreamCrb_0ACOR_099_BETA for BKC WW47** **2.[Enhancements] Update secure boot KEK/DB to add new Microsoft certificate.** **3.[Enhancements] Add Rocky Linux and sles-secureboot OS into BIOS default identical OS list.** **4.[Enhancements] Update the SUM OOB module to SMCOOBV2.00.21 to support Redfish replace the display name feature.** **5.[Enhancements] Use PCIe ASPM Support (Global) to control ASPM(PCH), PCI-E ASPM Support(IIO), Native ASPM(ACPI) option.** **6.[Enhancements] Support VPD data of Broadcom Network Adapter.** **7.[Enhancements] Fix HostInterface On/Off test will drop in 4x times in UEFI Shell.**

	8.[Enhancements] Add BIOS setup keyword search function. (Default is disabled)
New features	N/A
Fixes	1.[Fixes] Resolve IPV6 "Preferred DNS server IP" and IPV6 "Alternative DNS server IP" are not displayed correctly on BIOS setup. 2.[Fixes] Fix the system hang during ipv4 HTTP boot.

Release Notes from Previous Release(s)

1.4 (08/15/2023)
1. [Enhancements] Updated Intel BKC SPR 2023_WW21 PLR2/3, EMR 2023_WW27, Intel RC Version 103.D70.
2. [Enhancements] There is a yellow bang "Unknown device- VEN_ACPI&DEV_0017" in the Device Manager with Emerald Rapids CPU.
3. [Enhancements] Fixing the information of "Available Bitmap:" cannot be found in BIOS Cfg file.
4. [Enhancements] Update PCIe Leaky Bucket Expected BER and Error Threshold items default value.
5. [Enhancements] Follow SMBIOS structure template 1.4 to modify device locator format and bank locator format in HBM SMBIOS type 17.
6. [Enhancements] Fixed SUM RoT power fail malfunction issue.
7. [Enhancements] Fix COM/SOL cannot print OPROM message in legacy mode.
8. [Enhancements] Update S3M_PCode_MCC_S3 for MCC timing issue.
9. [Enhancements] Fix IPv6 informations show garbage in BIOS Setup.
10. [Fixes] Fix missing end tag (0x78) of VPD data when the VPD length is multiple of 4. (0 base)
11. [Fixes] As RTC power loss ever happens, configure BIOS build time to system time.
12. [Fixes] Memory speed shold be MT/s not MHz.

1.1 (01/19/2023)
1. [Enhancements] Updated AMI label to 5.29_EagleStreamCrb_0ACOR_071_BETA.
2. [Enhancements] Updated SPS 6.0.4.25.
3. [Enhancements] Updated 806F8 Intel(R) Processor SPR E-Stepping mircocode 2B000161 and HBM B-Stepping microcode ect.

1.0 (11/16/2022)
1. First Release