



BIOS Update Release Notes

Raptor Lake-S Standard BIOS

PRODUCTS: NUC13SBBi5KF/i7KF/i9KF (Shrike Bay GT0), NUC13RNGi5KF/i7KF/i9KF (Raptor Canyon GT0)

SBRPL790.0059.2023.1220.1440 Production BIOS

About This Release:

- Date: Dec 20, 2023
- ROM Image Checksum: 0x97953C99
- **ME Firmware: 16.1.30.2307**
- EC Firmware: SHBC45.00.00
- PCH Configuration Firmware: 16.1.0.1014
- PMC Firmware: 160.02.00.1042
- Retimer Firmware in BIOS capsule: B0_rev37
- SPHY Firmware: 13.0.1.7085
- **NPHY Firmware: 13.061.211.7255**
- CRB Label: RPL021
- Boot Guard ACM: 1.18.12
- Bios Guard: 2.0.346
- Silicon Initialization Code: 0C.00.89.30 (3342.00)
- Memory Reference Code: 0.0.4.73
- Integrated Graphics:
 - UEFI Driver: 17.0.1077
- Intel RST Pre-OS:
 - VMD UEFI Driver: 19.5.5.5727
- AHCI Code: Based on AHCI_31
- Visual BIOS: ASUS AptioV
- Supported Flash Devices:

◦ WinBond	W25R256JV	32MB
◦ GigaDevice	GD25R256E	32MB
◦ XMC	XM25RH256CXIQT10S	32MB
- Microcode Updates included in .BIN & .CAP Files:
 - M02B0670_0000000E.pdb
 - **M32B0671_0000011F.pdb**

Feature Change/Updates/Fixes:

1. TOCTOU vulnerability in "SmiFlash".
2. LogoFAIL vulnerability.
3. Intel NUC information leak vulnerability.
4. EDK2 PEI-Phase Denial of Service vulnerability.
5. NetworkPkg EDK2 update.
6. UsbSmmRt vulnerability.
7. Secure Boot Intel KEK/DB keys to support MSFT CA 2023.
8. The values of the iSetupCfg tool password check setting cannot be saved when selecting the Save icon in the upper right corner.
9. Update CPU Microcode to M32B0671_0000011F.
10. Update ME FW to 16.1.30.2307.

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