



Raptor Lake-S Standard BIOS

PRODUCTS: NUC13SBBi5/i7/i9 (Shrike Bay), NUC13RNGi5/i7/i9 (Raptor Canyon)

SBRPL579.0059.2023.1220.1344 Production BIOS

About This Release:

- Date: Dec 20, 2023
- ROM Image Checksum: 0x9765FC7B
- **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: 13.062.211.7255**
- 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 tool iSetupCfg password check setting cannot be saved when selecting Save icon in the upper right corner.
9. Update ME FW - 16.1.30.2307.
10. Update CPU Microcode to M32B0671_000001FA.

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