



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

**BIOS Version 0060 - SBRPL579.0060.2024.0313.0905**

## About This Release:

- Date: Mar 13 2023
- ROM Image Checksum: 0x974A096A
- ME Firmware: 16.1.30.2361
- EC Firmware: SHBC450000
- PCH Configuration Firmware: 16.1.0.1014
- PMC Firmware: 160.02.00.1042
- Retimer Firmware in BIOS capsule: B0\_rev37
- SPHY Firmware: 13.0.1.7084
- 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 GOP
  - UEFI Driver: 17.0.1077
- Intel RST Pre-OS:
  - VMD UEFI Driver: 19.5.5.5727
- AHCI Code: Based on AHCI\_31
- Supported Flash Devices:
  - Winbond W25R256JV 32MB
  - GIGADEVICE GD25R256E 32MB
  - XMC XM25RH256CXIQT10S 32MB
- Microcode Updates included in .BIN & .CAP Files:
  - M02B0670\_0000000E.pdb
  - M32B0671\_00000123.pdb

## Security Patch:

1. Image Parser Corruption Vulnerability
2. 2023.4 Intel Platform Update
3. UsbRt TOCTOU Vulnerability
4. Flash driver security review
5. Extended Image Parser Corruption Correction

## Feature Change/Update:

1. If use F7 update that not support BIOS revision .CAP file, the message have "Intel" link

## Issue Fix:

1. Update Intel KEK/DB keys to support MSFT CA 2023
2. When "USB S4/S5 Power" set to "Disabled", still can wake up from USB S5 power
3. cannot do WU update from current BIOS version to next BIOS version

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