



## BIOS Update Release Notes

**PRODUCTS: NUC8i7BEH, NUC8i5BEH, NUC8i5BEK, NUC8i3BEH, NUC8i3BEK, NUC8i7BEHGA, NUC8i7BEKQA, NUC8i5BEHFA, NUC8i5BEKPA, NUC8i3BEHFA (Standard BIOS)**

**BIOS Version 0066 - BECFL357.86A.0066.2019.0225.1641**

### About This Release:

- Date: February 25, 2019
- ME Firmware: 12.0.23.1311
- EC Firmware: v3.20
- PMC Firmware: 300.1.20.1023
- Framework Reference Code: Based on 7.0.44.23
- Integrated Graphics
  - Option ROM: v1017
  - UEFI Driver: v9.0.1084
- SATA RAID Option ROM: 16.8.0.1000
- AHCI Code: Based on AHCI\_17
- LAN Option ROM: PXE V0.1.1.3
- Visual Bios: 2.2.23

### New Fixes/Features:

- Changed RING LED to RGB LED in BIOS Setup to match motherboard silkscreen and Technical Product Specification.
- Fixed issue with password prompt when BitLocker is enabled.
- Updated BIOS code for security fixes.

**BIOS Version 0064 - BECFL357.86A.0064.2019.0213.1122**

### About This Release:

- Date: February 13, 2019
- ME Firmware: 12.0.23.1311
- EC Firmware: v3.20
- PMC Firmware: 300.1.20.1023
- Framework Reference Code: Based on 7.0.44.23
- Integrated Graphics
  - Option ROM: v1017
  - UEFI Driver: v9.0.1084
- SATA RAID Option ROM: 16.8.0.1000
- AHCI Code: Based on AHCI\_17
- LAN Option ROM: PXE V0.1.1.3
- Visual Bios: 2.2.23

### New Fixes/Features:

- Updated Intel ME firmware to version 12.0.23.1311.
- Fixed issue when keyboard/mouse is connected to Type-C port.
- Removed option for 2048MB on IGD Aperture Size setting.
- Fixed issue where HDD password feature doesn't show in Setup menu with NVME PCIe drive.

\*Other names and brands may be claimed as the property of others.

- Updated S3 Indicator blinking behavior.
- Update Graphics Option ROM to version 1017.
- Updated Graphics UEFI driver to version 9.0.1084.
- Updated RAID Option ROM to version 16.8.0.1000.

<b>BIOS Version 0056 - BECFL357.86A.0056.2018.1128.1717</b>
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**About This Release:**

- Date: November 28, 2018
- ME Firmware: 12.0.10.1128
- EC Firmware: v3.20
- PMC Firmware: 300.1.20.1019
- Framework Reference Code: Based on 7.0.37.50
- Integrated Graphics
- Option ROM: v1014
- UEFI Driver: v9.0.1080
- SATA RAID Option ROM: 16.5.0.3492
- AHCI Code: Based on AHCI\_17
- LAN Option ROM: PXE V0.1.1.3
- Visual Bios: 2.2.23

**New Fixes/Features:**

- Fixed the issue where an error would occur when installing VMware\* ESXi versions 6.5 and 6.7.
- Enhanced Wake on Voice capability for personal assistants (Cortana, Alexa).
- Fixed issue with consumer infrared functionality.
- Added Energy Star logo to Mini PC SKUs.
- Updated processor support.
- Updated CMOS battery warning string.
- Updated Digital Microphone ID for ITK.

<b>BIOS Version 0051 - BECFL357.86A.0051.2018.1015.1513</b>
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**About This Release:**

- Date: October 15, 2018
- ME Firmware: 12.0.10.1128
- EC Firmware: v3.20
- PMC Firmware: 300.1.20.1019
- Framework Reference Code: Based on 7.0.37.50
- Integrated Graphics:
  - Option ROM: v1014
  - UEFI Driver: v9.0.1080
- LAN Option ROM: PXE v0.1.1.3
- Visual Bios: 2.2.23

**New Fixes/Features:**

- Fixed issue where the startup sound causes error in Device Manager.
- Updated Intel® ME firmware to version 1128.
- Updated PMC firmware to version 1019.
- Updated EC firmware to version 3.20 to fix LED behavior issue.
- Updated processor support.

- Fixed issue where remove storage password causes drive to disappear from boot manager.
- Updated watchdog event to be triggered by recovery.

<b>BIOS Version 0048 - BECFL357.86A.0048.2018.0919.2013</b>
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**About This Release:**

- Date: September 19, 2018
- ME Firmware: 12.0.5.1117
- EC Firmware: v3.18
- PMC Firmware:v300.1.20.1015
- Framework Reference Code: Based on 7.0.37.50
- Integrated Graphics:
  - Option ROM: v1014
  - UEFI Driver: v9.0.1080
- LAN Option ROM: PXE v0.1.1.3
- Visual Bios: 2.2.23

**New Fixes/Features:**

- Updated EC Firmware to version 3.18.
- Updated BIOS item Wake from Sleep State via CIR.
- Fixed issue where power LED had abnormal behavior when system enters S4 states in modern standby mode.
- Fixed issue where system can't enter Modern Standby if NVME device is installed.

<b>BIOS Version 0041 - BECFL357.86A.0041.2018.0719.1931</b>
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**About This Release:**

- Date: July 19, 2018
- ME Firmware: 12.0.5.1117
- EC Firmware: v3.14
- PMC Firmware:v300.1.20.1015
- Framework Reference Code: Based on 7.0.37.50
- Integrated Graphics:
  - Option ROM: v1014
  - UEFI Driver: v9.0.1080
- LAN
  - Option ROM: PXE V0.1.1.3
- Visual Bios: 2.2.23

**New Fixes/Features:**

- Initial production BIOS release

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