



## BIOS Update Release Notes

**PRODUCTS: NUC8i7HVK, NUC8i7HVKVA, NUC8i7HVKVAW, NUC8i7HMK, NUC8i7HMKQC (Standard BIOS)**

**BIOS Version 0057 - HNKBLi70.86A.0057.2019.0528.1518**

### About This Release:

- Date: May 28, 2019
- ROM Image Checksum: 0xDBAD, 0xBF5F(NOBG)
- ME Firmware: 11.8.60.3561
- EC Firmware: 0E.09.00
- Memory Reference Code: Based on 3.2.0
- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1074
- SATA RAID Option ROM: 15.9.0.1015
- AHCI Code: Based on AHCI\_14
- LAN Option ROM: 7.5.11 i219, 0.0.17 i211
- Visual BIOS: 2.2.25

### New Fixes/Features:

- Updated BIOS code for security fixes.
- Updated Intel® ME firmware to version 11.8.60.3561.

### Known Errata:

- Due to the Intel® ME firmware update in BIOS version 0057, you can't downgrade to version 0056 or earlier.

**BIOS Version 0056 - HNKBLi70.86A.0056.2019.0506.1527**

### About This Release:

- Date: May 6, 2019
- ME Firmware: 11.8.50.3460
- EC Firmware: 0E.09.00
- Memory Reference Code: Based on 3.2.0
- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1074
- SATA RAID Option ROM: 15.9.0.1015
- AHCI Code: Based on AHCI\_14
- LAN Option ROM: 7.5.11 i219, 0.0.17 i211
- Visual BIOS: 2.2.25

### New Fixes/Features:

- Updated BIOS to display ENERGY STAR logo on Mini PC SKUs.
- Changed enclosure type default to 0x23.

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

**BIOS Version 0054 - HNKBLi70.86A.0054.2019.0214.1350**

**About This Release:**

- Date: February 14, 2019
- ME Firmware: 11.8.50.3460
- EC Firmware: 0E.09.00
- Memory Reference Code: Based on 3.2.0
- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1074
- SATA RAID Option ROM: 15.9.0.1015
- AHCI Code: Based on AHCI\_14
- LAN Option ROM: 7.5.11 i219, 0.0.17 i211
- Visual BIOS: 2.2.25

**New Fixes/Features:**

- Updated BIOS code for security fixes.

**BIOS Version 0053 - HNKBLi70.86A.0053.2018.1217.1739**

**About This Release:**

- Date: December 17, 2018
- ME Firmware: 11.8.50.3460
- EC Firmware: 0E.09.00
- Memory Reference Code: Based on 3.2.0
- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1074
- SATA RAID Option ROM: 15.9.0.1015
- AHCI Code: Based on AHCI\_14
- LAN Option ROM: 7.5.11 i219, 0.0.17 i211
- Visual BIOS: 2.2.25

**New Fixes/Features:**

- Fixed issue where disk encryption on Samsung eDrive doesn't work.

**BIOS Version 0052 - HNKBLi70.86A.0052.2018.1129.1700**

**About This Release:**

- Date: November 29, 2018
- ME Firmware: 11.8.50.3460
- EC Firmware: 0E.09.00
- Memory Reference Code: Based on 3.2.0
- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1074
- SATA RAID Option ROM: 15.9.0.1015
- AHCI Code: Based on AHCI\_14
- LAN Option ROM: 7.5.11 i219, 0.0.17 i211
- Visual BIOS: 2.2.25

**New Fixes/Features:**

- Modified code to speed up boot time.

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

- Fixed Intel ME loss when "After Power Failure" is set to Power On.

#### **BIOS Version 0051 - HNKBLi70.86A.0051.2018.1024.1600**

##### **About This Release:**

- Date: October 24, 2018
- ME Firmware: 11.8.50.3460
- EC Firmware: 0E.09.00
- Memory Reference Code: Based on 3.2.0
- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1074
- SATA RAID Option ROM: 16.0.2.3402
- AHCI Code: Based on AHCI\_14
- LAN Option ROM: 7.5.11 i219, 0.0.17 i211
- Visual BIOS: 2.2.25

##### **New Fixes/Features:**

- Fixed the issue where an error would occur when installing VMware\* ESXi versions 6.5 and 6.7.
- Fixed the issue that the Intel NUC NUC8i7HNK wouldn't allow some Linux distributions to install with Secure Boot turned off.
- Fixed the issue where Windows\* Task Manager wouldn't show memory speed correctly.

#### **BIOS Version 0050 - HNKBLi70.86A.0050.2018.0927.1020**

##### **About This Release:**

- Date: September 27, 2018
- ME Firmware: 11.8.50.3460
- EC Firmware: 0E.09.00
- Memory Reference Code: Based on 3.2.0
- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1074
- SATA RAID Option ROM: 16.0.2.3402
- AHCI Code: Based on AHCI\_14
- LAN Option ROM: 7.5.11 i219, 0.0.17 i211
- Visual BIOS: 2.2.25

##### **New Fixes/Features:**

- Fixed issue where LAN boot is set as first boot device.
- Fixed issue where system can't receive CEC QEvent from EC.
- Fixed issue where system hangs during POST when Fast Boot is enabled and RAID is changed to AHCI mode.
- Updated SMBIOS table structure.

#### **BIOS Version 0049 - HNKBLi70.86A.0049.2018.0801.1601**

##### **About This Release:**

- Date: August 1, 2018
- ME Firmware: 11.8.50.3460
- EC Firmware: 0E.09.00

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

- Memory Reference Code: Based on 3.2.0
- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1074
- SATA RAID Option ROM: 16.0.2.3402
- AHCI Code: Based on AHCI\_14
- LAN Option ROM: 7.5.11 i219, 0.0.17 i211
- Visual BIOS: 2.2.25

**New Fixes/Features:**

- Added Deep S4/S5 item in BIOS setup.

**BIOS Version 0048 - HNKBLi70.86A.0048.2018.0725.1749**

**About This Release:**

- Date: July 25, 2018
- ME Firmware: 11.8.50.3460
- EC Firmware: 0E.09.00
- Memory Reference Code: Based on 3.2.0
- Integrated Graphics:
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1074
- SATA RAID Option ROM: 16.0.2.3402
- AHCI Code: Based on AHCI\_14
- LAN Option ROM: 7.5.11 i219, 0.0.17 i211
- Visual BIOS: 2.2.25

**New Fixes/Features:**

- Removed Intel® Ready Mode Technology code/items in BIOS for Intel security fix.

**BIOS Version 0047 - HNKBLi70.86A.0047.2018.0718.1706**

**About This Release:**

- Date: July 18, 2018
- ME Firmware: 11.8.50.3460
- EC Firmware: 0E.09.00
- Memory Reference Code: Based on 3.2.0
- Integrated Graphics:
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1074
- SATA RAID Option ROM: 16.0.2.3402
- AHCI Code: Based on AHCI\_14
- LAN Option ROM: 7.5.11 i219, 0.0.17 i211
- Visual BIOS: 2.2.25

**New Fixes/Features:**

- Updated CPU Microcode (Security Advisory-00115).
- Fixed the issue where updating the BIOS would not work when running some memory modules above 2400 MHz.
- Fixed the issue where the system would not power on correctly when the power cord is pulled and the BIOS option "After Power Failure" is set to either, Last State or Power On.
- Updated EC FW to 0E.09.00

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

**BIOS Version 0044 - HNKBLi70.86A.0044.2018.0615.1726****About This Release:**

- Date: June 13, 2018
- ME Firmware: 11.8.50.3460
- EC Firmware: 0E.08.00
- Memory Reference Code: Based on 3.2.0
- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1074
- SATA RAID Option ROM: 16.0.2.3402
- AHCI Code: Based on AHCI\_14
- LAN Option ROM: 7.5.11 i219, 0.0.17 i211
- Visual BIOS: 2.2.25

**New Fixes/Features:**

- Updated SATA RAID Option ROM to 16.0.2.3402.
- Changed consumer infrared (CIR) to be disabled by default.
- Fixed the issue where disabling the consumer infrared (CIR) would not disable it.
- Fixed the issue where the management engine would not update.

**BIOS Version 0040 - HNKBLi70.86A.0040.2018.0516.1521****About This Release:**

- Date: May 16, 2018
- ME Firmware: 11.8.50.3460
- EC Firmware: 0E.08.00
- Memory Reference Code: Based on 3.0.1
- Integrated Graphics:
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1074
- SATA RAID Option ROM: 15.9.0.1015
- AHCI Code: Based on AHCI\_14
- LAN Option ROM: 7.5.11 i219, 0.0.17 i211
- Visual BIOS: 2.2.25

**New Fixes/Features:**

- Fixed the issue where Plextor SSDs would cause the system to hang.
- Updated ME FW to 11.8.50.3460
- Fixed the issue where the power button, skull or the eyes LEDs would work correctly when set to breathing.
- Changed the default S0 behavior frequency to 0 for the power button, skull and the eyes LEDs.

**BIOS Version 0037 - HNKBLi70.86A.0037.2018.0423.0910****About This Release:**

- Date: April 23, 2018
- ME Firmware: 11.8.50.3434
- EC Firmware: 0E.07.00
- Memory Reference Code: Based on 3.0.1

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

- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1074
- SATA RAID Option ROM: 15.9.0.1015
- AHCI Code: Based on AHCI\_14
- LAN Option ROM: 7.5.11 i219, 0.0.17 i211
- Visual BIOS: 2.2.25

**New Fixes/Features:**

- Fixed the issue where the system would not shutdown successfully.
- Legacy boot has been removed.

**BIOS Version 0034 - HNKBLi70.86A.0034.2018.0329.1113**

**About This Release:**

- Date: March 29, 2018
- ME Firmware: 11.8.50.3434
- EC Firmware: 0E.07.00
- Memory Reference Code: Based on 3.0.1
- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1074
- SATA RAID Option ROM: 15.9.0.1015
- AHCI Code: Based on AHCI\_14
- LAN Option ROM: 7.5.11 i219, 0.0.17 i211
- Visual BIOS: 2.2.25

**New Fixes/Features:**

- Initial pre-production BIOS release

---

---

**LEGAL INFORMATION**

---

---

**Information in this document is provided in connection with Intel Products and for the purpose of supporting Intel developed server/desktop boards and systems.**

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Intel's Terms and Conditions of Sale for such products, Intel assumes no liability whatsoever, and Intel disclaims any express or implied warranty, relating to sale and/or use of Intel products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright or other intellectual property right. Intel Corporation may have patents or pending patent applications, trademarks, copyrights, or other intellectual property rights that relate to the presented subject matter. The furnishing of documents and other materials and information does not provide any license, express or implied, by estoppel or otherwise, to any such patents, trademarks, copyrights, or other intellectual property rights. Intel products are not intended for use in medical, life saving, or life sustaining applications. Intel may make changes to specifications and product descriptions at any time, without notice.

Intel is a trademark of Intel Corporation in the US and other countries.  
Copyright (c) 2015 Intel Corporation.

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