PRODUCTS: NUC7I7DNKE, NUC7I7DNHE, and NUC7I7DNBE (Standard BIOS)

BIOS Version 0069 – DNKBLi7v.86A.0069.2020.0610.1805

About This Release:
- Date: June 10, 2020
- ROM Image Checksum: 0x16EC, 0xA473 (No FVME)
- ME Firmware: 11.8.77.3664
- EC Firmware: 0D.12.00
- Memory Reference Code: Based on 3.6.4
- MEBx Revision: 11.0.0.0010
- Integrated Graphics:
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1095
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

- Supported Flash Devices:
  ```
  WinBond      W25Q128JVSIQ    16MB
  MACRONIX     MX25L12850F     16MB
  GigaDevice   GD25B127D       16MB
  ```

- Microcode Updates included in .ROM & .BIO Files:
  ```
  MC0806EA_000000B4.mcb
  ```

New Fixes/Features:
- Updated ME Firmware to 11.8.77.3664.
- Fixed issue where custom BIOS from ITK fails to install when unattended BIOS configuration is set to never prompt.
- Updated BIOS code for security fixes.

Known Errata:
- Due to the Intel® ME firmware update in BIOS version 0069, you can't downgrade to version 0068 or earlier.

BIOS Version 0068 – DNKBLi7v.86A.0068.2020.0312.1938

About This Release:
- Date: March 12, 2020
- ROM Image Checksum: 0xD4CB, 0x6252 (No FVME)
- ME Firmware: 11.8.70.3626
- EC Firmware: 0D.12.00
- Memory Reference Code: Based on 3.6.4
- MEBx Revision: 11.0.0.0010
- Integrated Graphics:
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066

- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

- Supported Flash Devices:
  ```
  WinBond      W25Q128JVSIQ    16MB
  MACRONIX     MX25L12850F     16MB
  GigaDevice   GD25B127D       16MB
  ```

- Microcode Updates included in .ROM & .BIO Files:
  ```
  MC0806EA_000000B4.mcb
  ```

New Fixes/Features:
- Updated BIOS code for security fixes.
- Fixed issues regarding system reboot and system wake up.
- Fixed issue to "Set default Family Name" to "DN".
- Updated ME Firmware version to 11.8.70.3626.

BIOS Version 0067 - DNKBLi7v.86A.0067.2019.1101.1743

About This Release:
- Date: November 01, 2019
- ROM Image Checksum: 0x6E19, 0xFC69 (No FVME)
- ME Firmware: 11.8.65.3590
- EC Firmware: 0D.12.00
- Memory Reference Code: Based on 3.6.4
- MEBx Revision: 11.0.0.0010
- Integrated Graphics:
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

- Supported Flash Devices:
  ```
  WinBond      W25Q128JVSIQ    16MB
  MACRONIX     MX25L12850F     16MB
  GigaDevice   GD25B127D       16MB
  ```

- Microcode Updates included in .ROM & .BIO Files:
  ```
  MC0806EA_000000B4.mcb
  ```

New Fixes/Features:
- Fixed issue where "Hybrid BIOS USB recovery".
- Fixed issue where "Chassis value type changed during flash by BIO" for Microsoft request.
- Fixed issue where "SMBIOS Field update BIOS" for Microsoft request.
- Implemented security fixes
- Added support for "EFI ERASE BLOCK Protocol support for Android".
- Updated EC to version 12.00.

BIOS Version 0066 - DNKBLi7v.86A.0066.2019.0710.1150

About This Release:

- Date: July 10, 2019
- ROM Image Checksum: 0x3CD6, 0xCB26 (No FVME)
- ME Firmware: 11.8.65.3590
- EC Firmware: 0D.11.00
- Memory Reference Code: Based on 3.6.4
- MEBx Revision: 11.0.0.0010
- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25
- Supported Flash Devices:
  - WinBond   W25Q128JVSIQ   16MB
  - MACRONIX   MX25L12850F   16MB
  - GigaDevice GD25B127D   16MB
- Microcode Updates included in .ROM File:
  - MC0806EA_000000B4.mcb
- Additional Microcode Updates included only in .BIO File:
  - MC0806EA_000000B4.mcb

New Fixes/Features:
- Fixed issue where there's no display when using eDP panel.
- Fixed issue where BIOS password isn't recognized.
- Modified BIOS code for security fix

BIOS Version 0065 - DNKBLi7v.86A.0065.2019.0611.1424

About This Release:
- Date: June 11, 2019
- ROM Image Checksum: 0x6746, 0xF596(No FVME)
- ME Firmware: 11.8.65.3590
- EC Firmware: 0D.11.00
- Memory Reference Code: Based on 3.6.4
- MEBx Revision: 11.0.0.0010
- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25
- Supported Flash Devices:
  - WinBond   W25Q128JVSIQ   16MB
  - MACRONIX   MX25L12850F   16MB
  - GigaDevice GD25B127D   16MB
- Microcode Updates included in .ROM File:
  - MC0806EA_000000B4.mcb
- Additional Microcode Updates included only in .BIO File:
  - MC0806EA_000000B4.mcb

New Fixes/Features:
- Updated CPU microcode to MC0806E9_000000B4.
- Removed "SW Control" option from "Button LED" item in BIOS Setup.

BIOS Version 0064 - DNKBLi7v.86A.0064.2019.0524.1002

About This Release:
- Date: May 24, 2019
- ROM Image Checksum: 0x359E, 0xC3EE(No FVME)
- ME Firmware: 11.8.65.3590
- EC Firmware: 0D.11.00
- Memory Reference Code: Based on 3.6.4
- MEBx Revision: 11.0.0.0010
- Integrated Graphics
    - Option ROM: 9.0.1051
    - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- SATA non-RAID Option ROM: NA
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Fixed TPM provision test failure.

BIOS Version 0063 - DNKBLi7v.86A.0063.2019.0503.1906

About This Release:
- Date: May 3, 2019
- ROM Image Checksum: 0x36A0, 0xC4F0(No FVME)
- ME Firmware: 11.8.65.3590
- EC Firmware: 0D.11.00
- Memory Reference Code: Based on 3.6.4
- MEBx Revision: 11.0.0.0010
- Integrated Graphics
    - Option ROM: 9.0.1051
    - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Updated Intel ME firmware to version 11.8.65.3590.
- Modified BIOS code for security fixes.
- Changed enclosure type default to 0x23.

Known Errata:
- Due to the Intel® ME firmware update in BIOS version 0063, you can't downgrade to version 0062 or earlier.

BIOS Version 0062 - DNKBLi7v.86A.0062.2019.0304.1800

About This Release:
- Date: March 4, 2019
- ME Firmware: 11.8.55.3510
- EC Firmware: 0D.11.00

- Memory Reference Code: Based on 3.6.4
- MEBx Revision: 11.0.0.0010
- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Fixed issue where system doesn't resume from S3 properly.
- Fixed issue where there's no display when using eDP panel.
- Updated BIOS code for security fixes.

BIOS Version 0060 - DNKBLi7v.86A.0060.2018.1220.1528

About This Release:
- Date: December 20, 2018
- ME Firmware: 11.8.50.3510
- EC Firmware: 0D.11.00
- Memory Reference Code: Based on 3.2.0
- MEBx Revision: 11.0.0.0010
- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Fixed issue where Hyperthreading can't be disabled using ITK.
- Fixed issue where disk encryption on Samsung eDrive doesn't work.
- Fixed issue where BIOS update process in Linux hangs on POST code with 48FE.
- Updated EC firmware to version 11.00.

BIOS Version 0059 - DNKBLi7v.86A.0059.2018.1129.1445

About This Release:
- Date: November 29, 2018
- ME Firmware: 11.8.55.3510
- EC Firmware: 0D.10.00
- Memory Reference Code: Based on 3.2.0
- MEBx Revision: 11.0.0.0010
- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:

- Set PCIe ASPM function to Disabled.

BIOS Version 0058 – DNKBLi7v.86A.0058.2018.1115.1528

About This Release:
- Date: November 15, 2018
- ME Firmware: 11.8.55.3510
- EC Firmware: 0D.10.00
- Memory Reference Code: Based on 3.2.0
- MEBx Revision: 11.0.0.0010
- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Added NVME hard drive string ID.
- Modified BIOS embedded DP setting.

BIOS Version 0057 – DNKBLi7v.86A.0057.2018.1030.1636

About This Release:
- Date: October 30, 2018
- ME Firmware: 11.8.55.3510
- EC Firmware: 0D.10.00
- MEBx Revision: 11.0.0.0010
- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Added USB Host/Device mode switch item in USB Configuration page.
- Fixed issue where Persistence Mode can't be set to default using ITK 6.1.8.

BIOS Version 0056 – DNKBLi7v.86A.0056.2018.1003.1622

About This Release:
- Date: October 3, 2018
- ME Firmware: 11.8.55.3510
- EC Firmware: 0D.10.00
- Memory Reference Code: Based on 3.2.0
- MEBx Revision: 11.0.0.0010
- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054

- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- BIOS functionality enhancements.

BIOS Version 0055 - DNKBLi7v.86A.0055.2018.0921.1802

About This Release:
- Date: September 21, 2018
- ME Firmware: 11.8.55.3510
- EC Firmware: 0D.10.00
- Memory Reference Code: Based on 3.2.0
- MEBx Revision: 11.0.0.0010
- Integrated Graphics
    - Option ROM: 9.0.1051
    - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Fixed issue where system won't boot when NVME password is enabled then disabled on Intel E6100P SSD.

BIOS Version 0053 - DNKBLi7v.86A.0053.2018.0904.1601

About This Release:
- Date: September 4, 2018
- ME Firmware: 11.8.55.3510
- EC Firmware: 0D.10.00
- Memory Reference Code: Based on 3.2.0
- MEBx Revision: 11.0.0.0010
- Integrated Graphics
    - Option ROM: 9.0.1051
    - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Fixed issue where the front panel LED blink code fails if memory is missing.
- Fixed issue with USB after updating BIOS from version 0044 to version 0052 via Jumper recovery.
- Updated Intel® ME firmware to version 11.8.55.3510.
- Updated BIOS Gigabit Ethernet binary to fix SSID issue.
- Due to the Intel® ME firmware update in BIOS version 0053, you can't downgrade to version 0052 or earlier.

BIOS Version 0052 - DNKBLi7v.86A.0052.2018.0808.1344

About This Release:
- Date: August 8, 2018
- ME Firmware: 11.8.50.3425
- EC Firmware: 0D.10.00
- Memory Reference Code: Based on 3.2.0
- MEBx Revision: 11.0.0.0010
- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Fixed the issue that would cause the system not to power on.
- Fixed the issue where M.2 PCIe SSDs would run at Generation 2 speeds.[+]
- Removed Intel Ready Mode.
- Fixed the issue that would cause the system to automatically wake from S3 when a device was connected to the 3.5mm jack.
- Fixed the issue that would cause the wireless and Bluetooth options to disappear after they were enabled.
- Fixed the issue where "Wake on USB from S5" wouldn't work ("USB S4/S5 Power must be turned on to see this option).

[+] **To fix the M.2 issue, the BIOS must be installed using the [jumper recovery method](#).**

BIOS Version 0050 - DNKBLi7v.86A.0050.2018.0716.1602

About This Release:
- Date: July 16, 2018
- ME Firmware: 11.8.50.3425
- EC Firmware: 0D.10.00
- Memory Reference Code: Based on 3.2.0
- MEBx Revision: 11.0.0.0010
- Integrated Graphics:
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Added the feature to keep USB power during System Reset.
- Fixed the issue where BIOS recovery wouldn't work.
- Fixed the Wake on LAN from S3 issue where the monitor wouldn't wake up.
- Updated CPU Microcode (Security Advisory-00115).

BIOS Version 0047 - DNKBLi7v.86A.0047.2018.0613.1802

About This Release:
- Date: June 13, 2018

- ME Firmware: 11.8.50.3425
- EC Firmware: 0D.10.00
- Memory Reference Code: Based on 3.2.0
- MEBx Revision: 11.0.0.0010
- Integrated Graphics
    - Option ROM: 9.0.1051
    - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Enabled fanless mode.
- Updated the EC to version 10.00
- Fixed the issue where the splash screen logo would be askew in the OS recovery process.
- Improved the fault tolerance when using the recovery process.
- Updated the TPM 2.0 security.
- Added TPM FW update functionality.

BIOS Version 0040 - DNKBLi7v.86A.0040.2018.0315.1507

About This Release:
- Date: March 15, 2018
- ME Firmware: 11.8.50.3425
- EC Firmware: 0D.09.00
- MEBx Revision: 11.0.0.0010
- Integrated Graphics:
    - Option ROM: 9.0.1051
    - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Updated EC firmware version to 9.00.
- Fixed USB provisioning setting.
- Fixed issue with disabling USB port in M.2 Wireless Slot for Bluetooth.
- Fixed issue where fan control mode default value changes after F10 and re-entering BIOS.
- Fixed issue with changing Secondary Temperature Sensor Value.

BIOS Version 0039 - DNKBLi7v.86A.0039.2018.0222.1736

About This Release:
- Date: February 22, 2018
- ME Firmware: 11.8.50.3425
- EC Firmware: 0D.08.00
- MEBx Revision: 11.0.0.0010
- Integrated Graphics:
    - Option ROM: 9.0.1051
    - UEFI Driver: 9.0.1066

- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Updated CPU Microcode (Security Advisory-00088)

BIOS Version 0037 – DNKBLi7v.86A.0037.2018.0131.0828

About This Release:
- Date: January 31, 2018
- ME Firmware: 11.8.50.3425
- EC Firmware: 0D.08.00
- MEBx Revision: 11.0.0.0010
- Integrated Graphics
    - Option ROM: 9.0.1051
    - UEFI Driver: 9.0.1066
- SATA RAID Option ROM: 15.7.0.3054
- AHCI Code: Based on AHCI_14
- LAN Option ROM: PXE 2.1 Build 092
- Visual BIOS: 2.2.25

New Fixes/Features:
- Initial production BIOS release

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