



BIOS Update Release Notes

PRODUCTS: NUC10i7FN, NUC10i5FN, NUC10i3FN

BIOS Version 0046 - FNCML357.0046.2020.0928.1457

About This Release:

- Date: Sept 28, 2020
- ROM Image Checksum: 0xF2F8
- ME Firmware: 14.0.39.1339
- EC Firmware: 03.07.00
- PMC Firmware: 140.1.01.1010
- Memory Reference Code: Based on RC9.0.14.30_011
- Integrated Graphics:
 - Option ROM: 1021
 - UEFI Driver: 9.0.1093
- SATA RAID Option ROM: 17.8.0.4352
- AHCI Code: Based on AHCI_20
- LAN Option ROM: 0.0.24
- Visual BIOS: Intel AptioV

- Supported Flash Devices:
 - MACRONIX MX25L25673GM2I-08G 32MB

- Microcode Updates included in .BIN & .CAP Files:
 - M94806EC_000000D6.pdb
 - M80A0660_000000CA.pdb

New Fixes/Features:

- Fixed issue updating BIOS using "F7" update method.

BIOS Version 0045 - FNCML357.0045.2020.0817.1709

About This Release:

- Date: Aug 17, 2020
- ROM Image Checksum: 0x2F4D
- ME Firmware: 14.0.39.1339
- EC Firmware: 03.07.00
- PMC Firmware: 140.1.01.1010
- Memory Reference Code: Based on RC9.0.14.30_011
- Integrated Graphics:
 - Option ROM: 1021
 - UEFI Driver: 9.0.1093
- SATA RAID Option ROM: 17.8.0.4352
- AHCI Code: Based on AHCI_20
- LAN Option ROM: 0.0.24
- Visual BIOS: Intel AptioV

- Supported Flash Devices:

- Microcode Updates included in .BIN & .CAP Files:
M94806EC_000000D6.pdb
M80A0660_000000CA.pdb

New Fixes/Features:

- Updated ME Firmware to 14.0.39.1339
- Fixed issue with "iSetupCfg" log file.
- Fixed issue where failure to image by SCCM.
- Fixed issue with watchdog not clearing counter.
- Fixed issue where BIOS Self Recovery must be disabled if Failsafe Watchdog is disabled.

Known Errata:

- Due to the Intel® ME firmware update in BIOS version 0045, you can't downgrade to version 0044 or earlier.

BIOS Version 0044 - FNCML357.0044.2020.0715.1813

About This Release:

- Date: July 15, 2020
- ROM Image Checksum: 0x704E
- ME Firmware: 14.0.34.1139
- EC Firmware: 03.07.00
- PMC Firmware: 140.1.01.1010
- Memory Reference Code: Based on RC9.0.14.30_011
- Integrated Graphics:
 - Option ROM: 1021
 - UEFI Driver: 9.0.1093
- SATA RAID Option ROM: 17.8.0.4352
- AHCI Code: Based on AHCI_20
- LAN Option ROM: 0.0.24
- Visual BIOS: Intel AptioV
- Supported Flash Devices:
MACRONIX MX25L25673GM2I-08G 32MB
- Microcode Updates included in .BIN & .CAP Files:
M94806EC_000000CA.pdb
M80A0660_000000CA.pdb

New Fixes/Features:

- Fixed issue with Thunderbolt boot default need to change from Enable to Disable to speed up BIOS POST time.
- Fixed issue with incorrect BIOS Setup Temperature display.
- Fixed issue affecting BIOS Optane settings not allowing for OS boot.
- Updated BIOS code for security fixes and improvements.
- Fixed issue PXE boot error display message.
- Fixed issue to disable TPM/PTT at BIOS level.
- Fixed issue to install Windows 10 SCCM.
- Updated ME Firmware version to 14.0.34.1139
- Updated TBT boot default from enable to disable.
- Fixed "iSetupCfg" map string error.

- Updated BIOS and EC Firmware to improve RTC_Reset functionality.
- Fixed "iSetupcfg" token dump issue, setup items and password check item issue.
- Fixed issue when BIOS detected no memory and prompt a warning message, BIOS will disable WDT to prevent from reset.
- Fixed Energy Star Logo issue for "BXNUC10i5FNHCA" SKU.
- Removed RAM Disk from BIOS setup.
- Fixed "Strings of Tau" value to meet SPEC requirement.
- Fixed CMOS Time overflow issue when switching SSD between different systems.
- Updated BIOS setup to provide URL address and QR code availability leading to NUC support webpage.
- Updated BIOS Screen and Power Button Menu.

Known Errata:

- Due to the Intel® ME firmware update in BIOS version 0044, you can't downgrade to version 0039 or earlier.

BIOS Version 0039 - FNCML357.0039.2020.0312.1734

About This Release:

- Date: March 12, 2020
- ROM Image Checksum: 0xB98F
- ME Firmware: 14.0.31.1120
- EC Firmware: 03.04.00
- PMC Firmware: 140.1.01.1008
- Memory Reference Code: Based on RC9.0.14.30_011
- Integrated Graphics:
 - Option ROM: 1021
 - UEFI Driver: 9.0.1093
- SATA RAID Option ROM: 17.8.0.4352
- AHCI Code: Based on AHCI_20
- LAN Option ROM: 0.0.24
- Visual BIOS: Intel AptioV
- Supported Flash Devices:

MACRONIX	MX25L25673GM2I-08G	32MB
----------	--------------------	------
- Microcode Updates included in .BIN & .CAP Files:

M94806EC_000000C6.mcb
M80A0660_000000C6.mcb

New Fixes/Features:

- ME Firmware updated to 14.0.31.1120.
- Fixed issue regarding SCE tool setup.

BIOS Version 0038 - FNCML357.0038.2020.0131.1422

About This Release:

- Date: January 31, 2020
- ROM Image Checksum: 0x43D7
- ME Firmware: 14.0.0.1061
- EC Firmware: 03.04.00

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

- PMC Firmware: 140.1.01.1004
- Memory Reference Code: Based on RC9.0.14.30_011
- Integrated Graphics:
 - Option ROM: 1021
 - UEFI Driver: 9.0.1093
- SATA RAID Option ROM: 17.8.0.4352
- AHCI Code: Based on AHCI_20
- LAN Option ROM: 0.0.24
- Visual BIOS: Intel AptioV
- Supported Flash Devices:

MACRONIX	MX25L25673GM2I-08G	32MB
----------	--------------------	------
- Microcode Updates included in .BIN & .CAP Files:

M94806EC_000000C6.mcb
M80A0660_000000C6.mcb

New Fixes/Features:

- Fixed issue with BIOS fault tolerance failing after BIOS is re-signed.

BIOS Version 0037 - FNCML357.0037.2019.1226.1738

About This Release:

- Date: December 26, 2019
- ROM Image Checksum: 0x7035
- ME Firmware: 14.0.0.1061
- EC Firmware: 03.04.00
- PMC Firmware: 140.1.01.1004
- Memory Reference Code: Based on RC9.0.14.30_011
- Integrated Graphics:
 - Option ROM: 1021
 - UEFI Driver: 9.0.1093
- SATA RAID Option ROM: 17.8.0.4352
- AHCI Code: Based on AHCI_20
- LAN Option ROM: 0.0.24
- Visual BIOS: Intel AptioV
- Supported Flash Devices:

MACRONIX	MX25L25673GM2I-08G	32MB
----------	--------------------	------
- Microcode Updates included in .BIN & .CAP Files:

M94806EC_000000C6.mcb
M80A0660_000000C6.mcb

New Fixes/Features:

- Updated BIOS code for security fixes.
- Fixed HDD LED functionality issue.

BIOS Version 0036 - FNCML357.0036.2019.1207.1504

About This Release:

- Date: December 07, 2019

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

- ROM Image Checksum: 0x27C0
- ME Firmware: 14.0.0.1061
- EC Firmware: 03.04.00
- PMC Firmware: 140.1.01.1004
- Memory Reference Code: Based on RC9.0.14.30_011
- Integrated Graphics:
 - Option ROM: 1021
 - UEFI Driver: 9.0.1093
- SATA RAID Option ROM: 17.8.0.4352
- AHCI Code: Based on AHCI_20
- LAN Option ROM: 0.0.24
- Visual BIOS: Intel AptioV

- Supported Flash Devices:

MACRONIX	MX25L25673GM2I-08G	32MB
----------	--------------------	------

- Microcode Updates included in .BIN & .CAP Files:

M94806EC_000000C6.mcb
M80A0660_000000C6.mcb

New Fixes/Features:

- Fixed issue with setup of SATA M.2 device.
- Updated BIOS code for security fixes.
- Added "2.7 Notification of LED App".
- Added multiple features to enhance LED capabilities.
- Added "SetupNvLock" for Frost Canyon.
- Fixed issue with ESA/F7.
- Fixed issue with PXE.
- Fixed NVMe recovery issue if TBT enabled.
- Fixed BIOS recovery issue.
- Updated BIOS code for SGX function.
- Fixed Cortana can't wake from Modern Standby issue.

BIOS Version 0032 - FNCML357.0032.2019.1021.1624

About This Release:

- Date: October 21, 2019
- ROM Image Checksum: 0x1DE9
- ME Firmware: 14.0.0.1061
- EC Firmware: 03.04.00
- PMC Firmware: 140.1.01.1004
- Memory Reference Code: Based on RC9.0.14.30_011
- Integrated Graphics:
 - Option ROM: 1021
 - UEFI Driver: 9.0.1093
- SATA RAID Option ROM: 17.8.0.4352
- AHCI Code: Based on AHCI_20
- LAN Option ROM: 0.0.24
- Visual BIOS: Intel AptioV

- Supported Flash Devices:

MACRONIX	MX25L25673GM2I-08G	32MB
----------	--------------------	------

- Microcode Updates included in .BIN & .CAP Files:

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

New Fixes/Features:

- Initial 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) 2019 Intel Corporation.