



BIOS Update Release Notes

PRODUCTS: NUC9VXQNX, NUC9V7QNX, NUC9VXQNB, NUC9V7QNB

BIOS Version 0063 - QNCFLX70.0063.2021.0526.1054

About This Release:

- Date: May 26, 2021
- ROM Image Checksum: 0xD0E4
- ME Firmware: 12.0.72.1757
- EC Firmware: 24.42
- Memory Reference Code: Based on 7.0.68.40
- MEBx Revision: 12.0.0.0010
- Integrated Graphics:
 - UEFI Driver: 9.0.1086
- SATA RAID Option ROM: 17.5.0.4055
- AHCI Code: Based on AHCI_19
- LAN Option ROM: 0.5
- Visual BIOS: Intel AptioV

- Supported Flash Devices:
WinBond W25Q128JVSIQ 16MB

- Microcode Updates included in .BIN & .CAP Files:
M22906EC_000000DE.pdb
M22906ED_000000DE.pdb

New Fixes/Features:

- Fixed issue when BIOS flashing from BIOS 0059 to 0061/0062 where ME firmware did not update.

BIOS Version 0062 - QNCFLX70.0062.2021.0510.1827

About This Release:

- Date: May 05, 2021
- ROM Image Checksum: 0xCE7C
- ME Firmware: 12.0.72.1757
- EC Firmware: 24.42
- Memory Reference Code: Based on 7.0.68.40
- MEBx Revision: 12.0.0.0010
- Integrated Graphics:
 - UEFI Driver: 9.0.1086
- SATA RAID Option ROM: 17.5.0.4055
- AHCI Code: Based on AHCI_19
- LAN Option ROM: 0.5
- Visual BIOS: Intel AptioV

- Supported Flash Devices:
WinBond W25Q128JVSIQ 16MB

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

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

M22906EC_000000DE.pdb
M22906ED_000000DE.pdb

New Fixes/Features:

- Updated EC Firmware to 24.42
- Fixed issue with flash update where ME firmware did not update.

BIOS Version 0061 - QNCFLX70.0061.2021.0304.1533

About This Release:

- Date: March 04, 2021
- ROM Image Checksum: 0xA691
- ME Firmware: 12.0.72.1757
- EC Firmware: 24.41
- Memory Reference Code: Based on 7.0.68.40
- MEBx Revision: 12.0.0.0010
- Integrated Graphics:
 - Option ROM: NA
 - UEFI Driver: 9.0.1086
- SATA RAID Option ROM: 17.5.0.4055
- AHCI Code: Based on AHCI_19
- LAN Option ROM: 0.5
- Visual BIOS: Intel AptioV
- Supported Flash Devices:
 - WinBond W25Q128JVSIQ 16MB
- Microcode Updates included in .BIN & .CAP Files:
 - M22906EC_000000DE.pdb
 - M22906ED_000000DE.pdb

New Fixes/Features:

- Updated ME Firmware to 12.0.72.1757
- Updated EC Firmware to 24.41
- Updated CPU Microcode to M22906EC_000000DE and M22906ED_000000DE
- Fixed issue with Power button LED failure.
- Fixed S0 LED Indicator blinking frequency (Hz) question is not grayed out when S0 Indicator Blinking Behavior is set to Solid.
- Fixed issue where CPU fan keeps running after CPU Fan question is set to under 50 degrees and the CPU temperature drops below 50 degrees.
- Fixed issue with NTFS DXE driver when parsing NTFS file system partition.

Known Errata:

- Rear Thunderbolt Type-C port 2 is not detected when both ports are occupied on AC Power OFF then ON.

BIOS Version 0059 - QNCFLX70.0059.2020.1130.2122

About This Release:

- Date: November 30, 2020
- ROM Image Checksum: 0x7DE7
- ME Firmware: 12.0.70.1652

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

- EC Firmware: 24.39
- Memory Reference Code: Based on 7.0.68.40
- MEBx Revision: 12.0.0.0010
- Integrated Graphics:
 - Option ROM: NA
 - UEFI Driver: 9.0.1086
- SATA RAID Option ROM: 17.5.0.4055
- AHCI Code: Based on AHCI_19
- LAN Option ROM: 0.5
- Visual BIOS: Intel AptioV

- Supported Flash Devices:

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|---------|--------------|------|
| WinBond | W25Q128JVSIQ | 16MB |
|---------|--------------|------|

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

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|-----------------------|
| M22906EC_000000D6.pdb |
| M22906ED_000000DE.pdb |

New Fixes/Features:

- Updated EC Firmware to version 24.39
- Updated ME Firmware to version 12.0.70.1652
- Fixed issue with monitor display where red LED is on when set IGD Aperture Size to 2048MB with 4GB Memory installed.
- Fixed issue missing splash screen and BIOS menu during boot process.
- Fixed issue where "BIOS menu title in 'Advanced > Storage' did not change to "Storage".
- Fixed issue where "RAID mode can be selected when "Fast Boot" is Enable".
- Fixed booting issue when the RAID adapters are connected to the PCIe slot.
- Added code to identify Razer and QN/QX board.
- Fixed HLK failure: "USB Exposed Port test failure".
- Fixed HLK failure: "Single Computer Display Object test failure".
- Updated BIOS code for security fixes.
- Fixed the issue to center Skull logo in 4K monitors.
- Fixed issue where "WMI Interface tests fail."
- Fixed issue Power button LED.
- Fixed issue where BIOS Self Recovery must be disabled if Failsafe Watchdog is disabled.
- Fixed issue displaying item "HDMI/DisplayPort Audio".
- Fixed issue in iSetupCfg to remove "Legacy USB Support".

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| BIOS Version 0054 - QNCFLX70.0054.2020.0810.2227 |
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About This Release:

- Date: August 10, 2020
- ROM Image Checksum: 0x1FF5
- ME Firmware: 12.0.67.1579
- EC Firmware: 24.36
- PMC Firmware: 300.2.11.1025
- Memory Reference Code: Based on 7.0.68.40
- MEBx Revision: 12.0.0.0010
- Integrated Graphics:

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

- Option ROM: NA
 - UEFI Driver: 9.0.1086
- SATA RAID Option ROM: 17.5.0.4055
- AHCI Code: Based on AHCI_19
- LAN Option ROM: 0.5
- Visual BIOS: Intel AptioV
- Supported Flash Devices:
 - WinBond W25Q128JVSIQ 16MB
- Microcode Updates included in .BIN & .CAP Files:
 - M22906EC_000000D6.pdb
 - M22906ED_000000D6.pdb

New Fixes/Features:

- Fixed issue where Jumper Recovery Method would not update ME Firmware on first flash attempt.
- Improved BIOS code.
- Fixed issue when "IGD Minimum Memory" was set to 512MB ,1GB and 1.5GB, 4096MB system would not boot to OS.
- Updated EC Firmware to 24.36
- Updated ME Firmware to 12.0.67.1579
- Updated PMC Firmware to 300.2.11.1025
- Improved SMBIOS capabilities.
- Updated BIOS code for security fixes.
- Fixed issue where Windows Update prompt with an abnormal TPM update box.
- Disabled Thunderbolt Boot set enabled as default.
- Fixed issue in BIOS Setup->Boot.
- Fixed issue where the description for TCG Storage device security Configuration was incorrect.
- Removed ME version blocker in flash update process.
- Fixed issue where failsafe watchdog did not active and loaded memory default after unexpected adjustment with memory setting.
- Fixed issue where BIOS watchdog counts were not cleared.
- Implemented QR code feature for Aptio V BIOS.
- Fixed issue where system abnormal wake from S3, S4 and S5 in sleep state.
- Implemented Over-Clocking feature.
- Fixed issue with iSetupCfg implementation.
- Hide "Legacy Boot" option and Setup strings.
- Fixed issue where BIOS recovery failed when Top Swap had been triggered.
- Improved WMI function
 - 1) Added software control of Single-Color LED Brightness
 - 2) Added software control of Dual-Color LED Brightness
- Implemented PsysPL2 control feature.
- Fixed issue with TXT callback capability.

Known Errata:

- Due to the Intel® ME firmware update in BIOS version 0054, you can't downgrade to version 0034 or earlier.

About This Release:

- Date: January 7, 2020
- ROM Image Checksum: 0xED2D
- ME Firmware: 12.0.40.1433
- EC Firmware: 24.33
- MEBx Revision: 12.0.0.0010
- Integrated Graphics:
 - Option ROM: NA
 - UEFI Driver: 9.0.1086
- SATA RAID Option ROM: 17.5.0.4055
- AHCI Code: Based on AHCI_19
- LAN Option ROM: 0.5
- Visual BIOS: Intel AptioV
- Supported Flash Devices:
 - WinBond W25Q128JVSIQ 16MB
- Microcode Updates included in .BIN & .CAP Files:
 - M22906EC_000000BE.mcb
 - M22906ED_000000BE.mcb

New Fixes/Features:

- Initial production BIOS release

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