



## BIOS Update Release Notes

---

### PRODUCTS: NUC9i5QNX, NUC9i7QNX, NUC9i9QNX

---

**BIOS Version 0052 - QXCFL579.0052.2020.0717.1650**

#### About This Release:

- Date: July 17, 2020
- ROM Image Checksum: 0xB96E
- ME Firmware: 12.0.67.1579
- EC Firmware: 24.36
- Memory Reference Code: Based on 7.0.68.40
- 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:

M22906EA_000000B4.mcb
M22906ED_000000BE.mcb

#### New Fixes/Features:

- Fixed issue when "IGD Minimum Memory" was set to 512MB ,1GB and 1.5GB, 4096MB system would not boot to OS.
- Fixed issue that Windows Update prompt an abnormal TPM update box on Quartz Canyon.
- Disabled Thunderbolt boot as default.
- Fixed issue regarding BIOS Setup & Boot.
- Fixed issue where TCG Storage Device Security Configuration was incorrect.
- Updated ME FW to 12.0.67.1579
- Updated PMC FW 300.2.11.1025
- Improved SMBIOS capabilities.
- Updated EC FW 24.36
- Removed ME version blocker in flash update process.
- Fixed issue where failsafe watchdog does not active and load memory default after unexpected adjustment with memory setting.
- Implemented QR code feature for Aptio V BIOS.
- Optimized BIOS boot time.
- Fixed issue that system abnormal wake from S3, S4 and S5 in sleep state.
- Implemented Over-Clocking function.
- Updated BIOS code for security fixes.
- Fixed issue with iSetupCfg implementation.

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

- Hide "Legacy Boot" option and setup strings.
- Fixed issue with BIOS recovery.
- Improved WMI Interface and functions:
  - 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.

<b>BIOS Version 0036 - QXCFL579.0036.2019.1212.0145</b>
---

**About This Release:**

- Date: December 12, 2019
- ROM Image Checksum: 0x267E
- ME Firmware: 12.0.40.1433
- EC Firmware: 24.34
- Memory Reference Code: Based on 7.0.68.40
- Integrated Graphics:
  - Option ROM: NA
  - UEFI Driver: 9.0.1086
- SATA RAID Option ROM: 17.5.0.4055
- SATA non-RAID Option ROM: NA
- 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:
 

M22906EA_000000B4.mcb
M22906ED_000000BE.mcb

**New Fixes/Features:**

- BIOS version available for **NUC9i5QNX, NUC9i7QNX, NUC9i9QNX**
- Fixed issue where monitor did not display when set "PCIE Bifurcation Configuration" to force x16.
- Changed PL1 to 45W for **NUC9i5QNX** only.

<b>BIOS Version 0034 - QXCFL579.0034.2019.1125.1436</b>
---

**About This Release:**

- Date: January 7, 2020
- ROM Image Checksum: 0x2FB6
- ME Firmware: 12.0.40.1433
- EC Firmware: 24.33
- 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
---------	--------------	------

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

- Microcode Updates included in .BIN & .CAP Files:  
M22906EA\_000000B4.mcb  
M22906ED\_000000BE.mcb

**New Fixes/Features:**

- Initial production BIOS release
- This BIOS version applies only to **NUC9i7QNX, NUC9i9QNX**

---

---

**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) 2020 Intel Corporation.