



## BIOS Update Release Notes

**PRODUCTS: NUC8v5PNB, NUC8v5PNK, NUC8v5PNH, NUC8v7PNB,  
NUC8v7PNK, NUC8v7PNH**

**BIOS Version 0040 - PNWHL57v.0040.2020.1201.1821**

### About This Release:

- Date: Dec 01, 2020
- ROM Image Checksum: 87848842
- ME Firmware: 12.0.45.1509
- EC Firmware: 00.39.00
- EC2 Firmware: 0.19
- PD Firmware: 1.5.06
- Memory Reference Code: Based on 7.0.68.40
- MEBx Revision: 12.0.0.0010
- Integrated Graphics:
  - VBIOS: 9.2.1020
  - GOP: 9.0.1085
- AHCI Code: Based on AHCI\_19
- LAN Option ROM: 0.5
- Visual BIOS: Intel AptioV
- Supported Flash Devices:
  - Macronix MX25L25673 32MB
- Microcode Updates included in .BIN & .CAP Files:
  - MD0806EB\_000000B8.mcb
  - M94806EC\_000000CA.mcb

### New Fixes/Features:

- Updated EC Firmware to 00.39.00
- Updated EC2 Firmware to 00.19
- Fixed issue when updating ME Firmware.
- Updated BIOS code for security fixes.
- Added EC WDT (Watchdog Timer) function.
- Updated EC FW to 00.39.00.
- Fixed issue with Secure Erase (RSE) when using Intel Endpoint Management Assistant (EMA).
- Fixed issue when BIOS updated from 0034 to 0039 would show Intel AMT message.

**BIOS Version 0039 - PNWHL57v.0039.2020.0722.1503**

### About This Release:

- Date: Jul 22, 2020
- ROM Image Checksum: 190a970f
- ME Firmware: 12.0.45.1509
- EC Firmware: 00.36.00
- EC2 Firmware: 0.17
- PD Firmware: 1.5.06
- Memory Reference Code: Based on 7.0.68.40
- MEBx Revision: 12.0.0.0010
- Integrated Graphics:
  - VBIOS: 9.2.1020
  - GOP: 9.0.1085
- AHCI Code: Based on AHCI\_19
- LAN Option ROM: 0.5
- Visual BIOS: Intel AptioV
- Supported Flash Devices:

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

- Macronix MX25L25673 32MB
- Microcode Updates included in .BIN & .CAP Files:
  - MD0806EB\_000000B8.mcb
  - M94806EC\_000000CA.mcb

**New Fixes/Features:**

- Updated EC Firmware to 00.36.00
- Updated EC2 Firmware to 0.17
- Added additional feature for VR current limit.
- Fixed BIOS watchdog counter not clearing.
- Disabled BIOS Self Recovery when Failsafe Watchdog is disabled
- Fixed issue with Thunderbolt Boot default setting. Changed from enabled to disabled by every BIOS flash method.

<b>BIOS Version 0037 - PNWHL57v.0037.2020.0324.1433</b>
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**About This Release:**

- Date: Mar 24, 2020
- ROM Image Checksum:846d
- ME Firmware: 12.0.45.1509
- EC Firmware: 00.34.00
- EC2 Firmware: 0.16
- PD Firmware: 1.5.06
- Memory Reference Code: Based on 7.0.68.40
- MEBx Revision: 12.0.0.0010
- Integrated Graphics:
  - VBIOS: 9.2.1020
  - GOP: 9.0.1085
- AHCI Code: Based on AHCI\_19
- LAN Option ROM: 0.5
- Visual BIOS: Intel AptioV
- Supported Flash Devices:
  - Macronix MX25L25673 32MB
- Microcode Updates included in .BIN & .CAP Files:
  - MD0806EB\_000000B8.mcb
  - M94806EC\_000000CA.mcb

**New Fixes/Features:**

- Updated EC FW to 00.34.00
- Added "intelunite" string in SMBIOS type 11 for vPro products.
- Fixed issue where missing variable lock allowed write data to SMRAM.
- Fixed issue where USB 2.0 device in internal USB 3.0 port does not display remove icon.
- Added "Internal USB Port as exposed USB port" setup item.
- Fixed issue not showing Energy Star logo.
- Fixed issue where actual panel brightness would not change after adjust Screen Brightness item in BIOS Setup->Advanced->Flat Panel with eDP panel connect.
- Fixed issue where eDP option still lists in IGD Primary Video Port while no eDP Panel connect.
- Fixed issue where iSetupCfg did not generate full list of UQI values.

<b>BIOS Version 0032 - PNWHL57v.0032.2019.1213.1529</b>
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**About This Release:**

- Date: Dec 13, 2019
- ROM Image Checksum:6d8f
- ME Firmware: 12.0.45.1509
- EC Firmware: 00.29.00

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- EC2 Firmware: 0.14
- PD Firmware: 1.5.06
- Memory Reference Code: Based on 7.0.68.40
- MEBx Revision: 12.0.0.0010
- Integrated Graphics:
  - VBIOS: 9.2.1020
  - GOP: 9.0.1085
- AHCI Code: Based on AHCI\_19
- LAN Option ROM: 0.5
- Visual BIOS: Intel AptioV
  
- Supported Flash Devices:

Macronix	MX25L25673	32MB
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- Microcode Updates included in .BIN & .CAP Files:

MD0806EB_000000B8.mcb
M94806EC_000000CA.mcb

**New Fixes/Features:**

- Initial production BIOS release

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