



## BIOS Update Release Notes

**PRODUCTS: D54250WYB, D54250WYK, D54250WYKH, D34010WYB,  
D34010WYK, D34010WYKH**

**BIOS Version 0054 - WYLPT10H.86A.0054.2019.0902.1752**

### About This Release:

- Date: September 2, 2019
- ROM Image Checksum: 0xDD0C
- ME Firmware: 9.5.40.1892
- Memory Reference Code: Based on 1.9.1
- Integrated Graphics:
  - Option ROM: Build 2180 PC 14.34
  - UEFI Driver: 5.0.1037
- SATA RAID Option ROM: 12.7.0.1936
- SATA non-RAID Option ROM: 12.7.0.1936
- AHCI Code: Based on 4.6.3\_AhciSrc\_022
- LAN Option ROM: v1543 PXE 2.1 Build 092
- Visual BIOS: 2.2.23
- Supported Flash Devices:

Macronix	MX25L6406EM2I-12G	8MB
WinBond	W25Q64FVSSIG	8MB
EON	EN25QH64-104HIP	8MB
- Microcode Updates included in .ROM & .BIO Files:  
M7240651\_00000025.PDB

### New Fixes/Features:

- Updated BIOS code for security fixes.

**BIOS Version 0053 - WYLPT10H.86A.0053.2019.0703.1615**

### About This Release:

- Date: July 3, 2019
- ROM Image Checksum:0x534D
- ME Firmware: 9.5.40.1892
- Memory Reference Code: Based on 1.9.1
- Integrated Graphics
  - Option ROM: Build 2180 PC 14.34
  - UEFI Driver: 5.0.1037
- SATA RAID Option ROM: 12.7.0.1936
- SATA non-RAID Option ROM: 12.7.0.1936
- AHCI Code: Based on 4.6.3\_AhciSrc\_022
- LAN Option ROM: v1543 PXE 2.1 Build 092
- Visual BIOS: 2.2.23
- Supported Flash Devices:

Macronix	MX25L6406EM2I-12G	8MB
WinBond	W25Q64FVSSIG	8MB
EON	EN25QH64-104HIP	8MB

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

- Microcode Updates included in .ROM File:  
M7240651\_00000025.PDB
- Additional Microcode Updates included only in .BIO File:  
None

**New Fixes/Features:**

- Updated BIOS code for security fixes.

**BIOS Version 0052 - WYLPT10H.86A.0052.2019.0528.1756**

**About This Release:**

- Date: May 28, 2019
- ROM Image Checksum:0xEF2F
- ME Firmware: 9.5.40.1892
- Memory Reference Code: Based on 1.9.1
- Integrated Graphics:
  - Option ROM: Build 2180 PC 14.34
  - UEFI Driver: 5.0.1037
- SATA RAID Option ROM: 12.7.0.1936
- SATA non-RAID Option ROM: 12.7.0.1936
- AHCI Code: Based on 4.6.3\_AhciSrc\_022
- LAN Option ROM: v1543 PXE 2.1 Build 092
- Visual BIOS: 2.2.23
- Supported Flash Devices:
 

Macronix	MX25L6406EM2I-12G	8MB
WinBond	W25Q64FVSSIG	8MB
EON	EN25QH64-104HIP	8MB
- Microcode Updates included in .ROM File:  
M7240651\_00000025.PDB

**New Fixes/Features:**

1. Modified the chassis enclosure type to 0x23.
2. Updated CPU microcode to M7240651\_00000025.PDB for security fix.

**BIOS Version 0051 - WYLPT10H.86A.0051.2019.0322.1320**

**About This Release:**

- Date: March 22, 2019
- ME Firmware: 9.5.40.1892
- Memory Reference Code: Based on 1.9.1
- Integrated Graphics
  - Option ROM: Build 2180 PC 14.34
  - UEFI Driver: 5.0.1037
- SATA RAID Option ROM: 12.7.0.1936
- SATA non-RAID Option ROM: 12.7.0.1936
- AHCI Code: Based on 4.6.3\_AhciSrc\_022
- LAN Option ROM: v1543 PXE 2.1 Build 092
- Visual BIOS: 2.2.23

**New Fixes/Features:**

- Updated BIOS code for security fixes.

**BIOS Version 0050 - WYLPT10H.86A.0050.2018.1115.1730**

**About This Release:**

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

- Date: November 15, 2018
- ME Firmware: 9.5.40.1892
- Memory Reference Code: Based on 1.9.1
- Integrated Graphics
  - Option ROM: Build 2180 PC 14.34
  - UEFI Driver: 5.0.1037
- SATA RAID Option ROM: 12.7.0.1936
- SATA non-RAID Option ROM: 12.7.0.1936
- AHCI Code: Based on 4.6.3\_AhciSrc\_022
- LAN Option ROM: v1543 PXE 2.1 Build 092
- Visual BIOS: 2.2.23

**New Fixes/Features:**

- Added BIOS write protection for security enhancement.
- Added the setup item "Allow UEFI 3rd party driver loaded" and set default as disabled.

**Known Errata:**

- Due to security enhancements in BIOS version 0050, you can't downgrade to version 0049 or earlier.

**BIOS Version 0049 - WYLPT10H.86A.0049.2018.0718.2208**

**About This Release:**

- Date: July 18, 2018
- ME Firmware: 9.5.40.1892
- Memory Reference Code: Based on 1.9.1
- Integrated Graphics
  - Option ROM: Build 2180 PC 14.34
  - UEFI Driver: 5.0.1037
- SATA RAID Option ROM: 12.7.0.1936
- SATA non-RAID Option ROM: 12.7.0.1936
- AHCI Code: Based on 4.6.3\_AhciSrc\_022
- LAN Option ROM: v1543 PXE 2.1 Build 092
- Visual BIOS: 2.2.23

**New Fixes/Features:**

- Updated CPU Microcode (Security Advisory-00115).
- Removed the Intel® Ready Mode Technology/Intel Ready Mode Indicator code/items in BIOS for Intel security fix.

**BIOS Version 0048 - WYLPT10H.86A.0048.2018.0606.1248**

**About This Release:**

- Date: June 6, 2018
- ME Firmware: 9.5.40.1892
- Memory Reference Code: Based on 1.9.1
- Integrated Graphics
  - Option ROM: Build 2180 PC 14.34
  - UEFI Driver: 5.0.1037
- SATA RAID Option ROM: 12.7.0.1936
- SATA non-RAID Option ROM: 12.7.0.1936
- AHCI Code: Based on 4.6.3\_AhciSrc\_022
- LAN Option ROM: v1543 PXE 2.1 Build 092
- Visual BIOS: 2.2.23

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

**New Fixes/Features:**

- Security enhancements.

**BIOS Version 0047 - WYLPT10H.86A.0047.2018.0303.1725**

**About This Release:**

- Date: March 3, 2018
- ME Firmware: 9.5.40.1892
- Memory Reference Code: Based on 1.9.1
- Integrated Graphics
  - Option ROM: Build 2180 PC 14.34
  - UEFI Driver: 5.0.1037
- SATA RAID Option ROM: 12.7.0.1936
- SATA non-RAID Option ROM: 12.7.0.1936
- AHCI Code: Based on 4.6.3\_AhciSrc\_022
- LAN Option ROM: v1543 PXE 2.1 Build 092
- Visual BIOS: 2.2.23

**New Fixes/Features:**

- Updated CPU Microcode (Security Advisory-00088)

**BIOS Version 0045 - WYLPT10H.86A.0045.2017.0302.2108**

**About This Release:**

- Date: March 2, 2017
- ME Firmware: 9.5.40.1892
- Memory Reference Code: Based on 1.9.1
- Integrated Graphics
  - Option ROM: Build 2180 PC 14.34
  - UEFI Driver: 5.0.1037
- SATA RAID Option ROM: 12.7.0.1936
- SATA non-RAID Option ROM: 12.7.0.1936
- AHCI Code: Based on 4.6.3\_AhciSrc\_022
- LAN Option ROM: v1543 PXE 2.1 Build 092
- Visual BIOS: 2.2.23

**New Fixes/Features:**

- Security Enhancements.

**BIOS Version 0044 - WYLPT10H.86A.0044.2016.1214.1710**

**About This Release:**

- Date: December 14, 2016
- ME Firmware: 9.5.40.1892
- Memory Reference Code: Based on 1.9.1
- Integrated Graphics
  - Option ROM: Build 2180 PC 14.34
  - UEFI Driver: 5.0.1037
- LAN Option ROM: v1543 PXE 2.1 Build 092
- SATA RAID Option ROM: 12.7.0.1936
- Haswell EFI driver (GOP): 5.0.1037
- Visual BIOS: 2.2.23

**New Fixes/Features:**

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

- Security Enhancements.
- Updated the UefiNetworkStack.

#### **BIOS Versions 0043 - WYLPT10H.86A.0043.2016.1116.1449**

##### **About This Release:**

- Date: November 16, 2016
- ME Firmware: 9.5.40.1892
- Memory Reference Code: Based on 1.9.1
- Integrated Graphics
  - Option ROM: Build 2180 PC 14.34
  - UEFI Driver: 5.0.1037
- LAN Option ROM: v1543 PXE 2.1 Build 092
- SATA RAID Option ROM: 12.7.0.1936
- Haswell EFI driver (GOP): 5.0.1037
- Visual BIOS: 2.2.23

##### **New Fixes/Features:**

Added function with Programmable Custom Solution Header.

#### **BIOS Version 0042 - WYLPT10H.86A.0042.2016.0704.1441**

##### **About This Release:**

- Date: July 04, 2016
- ME Firmware: 9.5.40.1892
- Memory Reference Code: Based on 1.9.1
- Integrated Graphics
  - Option ROM: Build 2180 PC 14.34
  - UEFI Driver: 5.0.1037
- LAN Option ROM: v1543 PXE 2.1 Build 092
- SATA RAID Option ROM: 12.7.0.1936
- Haswell EFI driver (GOP): 5.0.1037
- Visual BIOS: 2.2.20

##### **New Fixes/Features:**

- Enhanced Secure boot and PXE security.
- Improved the BIOS update process by disabling the keyboard and power button during the flash/recovery process when using the power button recovery.
- Fixed an issue where the NUC can't wake up from S3 by pressing the power button in Linux.
- Fixed issue where the CIR remote controller would still power on the NUC when CIR was disabled.

##### **Updated Visual BIOS to version 2.2.20. Fixes include:**

- Hotfix to remove download driver and automatic BIOS update feature.
- Hotfix to remove performance page accessibility from Atom-based NUC products.

#### **BIOS Version 0041 - WYLPT10H.86A.0041.2015.0720.1108**

##### **About This Release:**

- Date: July 20, 2015
- ME Firmware: 9.5.40.1892
- Integrated Graphics

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

- o Option ROM: Build 2180 PC 14.34
  - o UEFI Driver: 5.0.1037
- LAN Option ROM: v1543 PXE 2.1 Build 092
- SATA RAID Option ROM: 12.7.0.1936
- EFI driver (GOP): 5.0.1037
- Visual BIOS: 2.2.17

**New Fixes/Features:**

- Updated Visual BIOS to version 2.2.17. Fixes include:
  - o Refactored graphics resolution algorithm to find closest supported resolution to 1024x768. This should correct scaling issues with 4K monitors.
  - o Removed unused assets from Performance and Mainstream themes to reduce the overall size of Visual BIOS. Size savings should be around 300KB.
- Fixed issue where system does not boot to USB flash drive when Boot USB Devices First is enabled.
- Fixed issue where S4 stress test fails in Windows 7 EFI mode.
- Fixed issue where infrared remote does not wake the system.

<b>BIOS Version 0040 - WYLPT10H.86A.0040.2015.0612.1400</b>
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**About This Release:**

- Date: June 12, 2015
- ME Firmware: 9.5.40.1892
- Integrated Graphics
  - Option ROM: Build 2180 PC 14.34
  - UEFI Driver: 5.0.1037
- LAN Option ROM: v1543 PXE 2.1 Build 092
- SATA RAID Option ROM: 12.7.0.1936
- EFI driver (GOP): 5.0.1037
- Visual BIOS: 2.2.16

**New Fixes/Features:**

- Added S3 module for security enhancement.
- Fixed issue where xHCI Mode isn't set to "Smart Auto" as default after updating BIOS.

<b>BIOS Version 0038 - WYLPT10H.86A.0038.2015.0410.1634</b>
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**About This Release:**

- Date: April 13, 2015
- ME Firmware: 9.5.40.1892
- Integrated Graphics
  - Option ROM: Build 2180 PC 14.34
  - UEFI Driver: 5.0.1037
- LAN Option ROM: v1543 PXE 2.1 Build 092
- SATA RAID Option ROM: 12.7.0.1936
- EFI driver (GOP): 5.0.1037
- Visual BIOS: 2.2.16

**New Fixes/Features:**

- Fixed issue where system with Linux Ubuntu\* cannot resume from sleep.
- Fixed issue where USB 3.0 devices are not recognized at boot.
- Added xHCI Mode setting to USB Configuration page in BIOS.

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

- Updated Intel® Visual BIOS to version 2.2.16. Fixes include:
  - Fixed issue in Download Drivers feature where certain drivers were not visible if multiple attachments exist in the same record.

<b>BIOS Version 0037 - WYLPT10H.86A.0037.2015.0324.2147</b>
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**About This Release:**

- Date: March 24, 2015
- ME Firmware: 9.5.40.1892
- Integrated Graphics
  - Option ROM: Build 2180 PC 14.34
  - UEFI Driver: 5.0.1037
- LAN Option ROM: v1543 PXE 2.1 Build 092
- SATA RAID Option ROM: 12.7.0.1936
- EFI driver (GOP): 5.0.1037
- Visual BIOS: 2.2.15

**New Fixes/Features:**

- Added BIOS options on the Secondary Power Settings page to enable or disable Wake from S3 via CIR and Wake from S4 and S5 via CIR.
- Added BIOS option on the Legacy Device Config page to select the CIR Remote Controller Type.
- Updated processor support.

<b>BIOS Version 0035 - WYLPT10H.86A.0035.2015.0126.1814</b>
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**About This Release:**

- Date: January 26, 2015
- ME Firmware: 9.5.40.1892
- Integrated Graphics
  - Option ROM: Build 2180 PC 14.34
  - UEFI Driver: 5.0.1037
- LAN Option ROM: v1543 PXE 2.1 Build 092
- SATA RAID Option ROM: 12.7.0.1936
- EFI driver (GOP): 5.0.1037
- Visual BIOS: 2.2.15

**New Fixes/Features:**

- Add Setup option "Suppress Alert Messages At Boot."
- Set "IGD Minimum Memory" to 64 MB as default.
- Fixed issue where CIR remote still wakes the NUC when CIR is disabled in BIOS.
- Updated Intel® Visual BIOS to version 2.2.15. Fixes include:
  - Fixed issue in Download Drivers feature where incorrect drivers would display if product was not found in database.
  - Fixed issue in Performance page that prevented additional workspaces from showing up (i.e. Memory Timings, etc.)
  - Fixed touch monitors not working correctly when display adapter supports greater than 1024x768 resolution.
  - Fixed AMT USB-R issue where absolute mouse position would not scale correctly in Visual BIOS.
  - Fixed password input so that only A-Z, a-z, and 0-9 characters are accepted.
  - Fixed issue in screenshot function that caused final bitmap to be tinted blue.

- Fixed issue in double-click boot feature that did not allow BIOS to boot to the correct device.
- Fixed issue graphical error in dropdown box.
- Fixed hang on NUC Home Page 1 and Cooling Page when temp or voltage form contained no questions.
- Added variable check to determine whether or not to perform OS check before starting Visual Boot Manager.
- Fixed logic that caused beta opt-in request to keep popping up.
- Fixed various GUI issues.
- Fixed missing temperatures and voltages in cooling performance monitor.
- Fixed variable flags for OsIndications and BootNext to conform to strict UEFI 2.4 requirements.

<b>BIOS Version 0033 - WYLPT10H.86A.0033.2014.1201.0940</b>
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**About This Release:**

- Date: December 1, 2014
- ME Firmware: 9.5.40.1892
- Integrated Graphics
  - Option ROM: Build 2180 PC 14.34
  - UEFI Driver: 5.0.1037
- LAN Option ROM: v1543 PXE 2.1 Build 092
- SATA RAID Option ROM: 12.7.0.1936
- EFI driver (GOP): 5.0.1037
- Visual BIOS: 2.2.8

**New Fixes/Features:**

- Fixed issue where Intel® Integrator Toolkit and OA3 fail.

<b>BIOS Version 0032 - WYLPT10H.86A.0032.2014.1119.1552</b>
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**About This Release:**

- Date: November 19, 2014
- ME Firmware: 9.5.40.1892
- Integrated Graphics
  - Option ROM: Build 2180 PC 14.34
  - UEFI Driver: 5.0.1037
- LAN Option ROM: v1543 PXE 2.1 Build 092
- SATA RAID Option ROM: 12.7.0.1936
- EFI driver (GOP): 5.0.1037
- Visual BIOS: 2.2.8

**New Fixes/Features:**

- Fixed UQI of "C9/C10 C-State" and "OS ACPI C2 Report".
- Added support for Windows Recovery Environment (Windows RE) by pressing the F5 function key.

<b>BIOS Version 0030 - WYLPT10H.86A.0030.2014.0919.1139</b>
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**About This Release:**

- Date: September 19, 2014
- ME Firmware: 9.5.40.1892
- Integrated Graphics
  - Option ROM: Build 2180 PC 14.34

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



UEFI Driver: 5.0.1037

- LAN Option ROM: v1543 PXE 2.1 Build 092
- SATA RAID Option ROM: 12.7.0.1936
- EFI driver (GOP): 5.0.1037
- Visual BIOS: 2.2.8

**New Fixes/Features:**

- Updated Intel® ME Firmware to version 9.5.40.1892.

**BIOS Version 0028 - WYLPT10H.86A.0028.2014.0814.1906**

**About This Release:**

- Date: August 14, 2014
- ME Firmware: 9.5.13.1706
- Integrated Graphics
  - Option ROM: Build 2180 PC 14.34
  - UEFI Driver: 5.0.1037
- LAN Option ROM: v1543 PXE 2.1 Build 092
- SATA RAID Option ROM: 12.7.0.1936
- EFI driver (GOP): 5.0.1037
- Visual BIOS: 2.2.8

**New Fixes/Features:**

- Updated Visual BIOS to version 2.2.8. Fixes include:
  - Fixed issue where Default BIOS Start Page would not show properly when selecting home pages.
  - Fixed hang when saving file using screenshot feature.
  - Fixed erroneous notification text when file save feature failed.
  - Fixed issue that caused startup hang when Default Start Page was set to Main Page.
  - Re-architected HTTP client in Visual BIOS to support network behind an HTTP proxy (i.e. corporate firewall) and handle network instability issues.
  - Updated performance pages to support simplified needs of NUC products going forward.
  - Fixed issue on settings page where NUC Atom theme was not an available option.
  - Fixed issue where default theme was not NUC theme if theme could not be determined.
  - Fixed issue where driver download feature could not be used after closing the modal and re-entering the modal.
  - Fixed issue where add-in config forms were unable to post changes to the setup browser.
  - Fixed issue with touch input that ignored the first touch state upon starting the application.
- Fixed issue with BIOS password lengths.
- Fixed issue where master password cannot be cleared.
- Added feature to disable Watchdog Timer after entering and incorrect password three times.
- Added feature to disable Watchdog Timer when pressing Power Button to shut down.
- Modified options of Intel Ready Mode Technology and S3 state in Visual BIOS.
- Fixed issue where BIOS setup does not display the event log of "CMOS Battery Failure".

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

- Fixed issue where Product name shows ERROR when BIOS security jumper removed.

**BIOS Version 0027 - WYLPT10H.86A.0027.2014.0710.1904**

**About This Release:**

- Date: July 10, 2014
- ME Firmware: 9.5.13.1706
- Integrated Graphics
  - Option ROM: Build 2180 PC 14.34
  - UEFI Driver: 5.0.1037
- LAN Option ROM: v1543 PXE 2.1 Build 092
- SATA RAID Option ROM: 12.7.0.1936
- EFI driver (GOP): 5.0.1037
- Visual BIOS: 2.2.4

**New Fixes/Features:**

- Updated processor support.
- Fixed issue where certain mini-PCIe devices are not detected.
- Fixed issue where infrared remotes do not power on the system with OpenElec\*.
- Added support for Intel® Ready Mode Technology.

**BIOS Version 0026 - WYLPT10H.86A.0026.2014.0514.1714**

**About This Release:**

- Date: May 14, 2014
- ME Firmware: 9.5.13.1706
- Integrated Graphics
  - Option ROM: Build 2180 PC 14.34
  - UEFI Driver: 5.0.1037
- LAN Option ROM: v1543 PXE 2.1 Build 092
- SATA RAID Option ROM: 12.7.0.1936
- EFI driver (GOP): 5.0.1037
- Visual BIOS: 2.2.4

**New Fixes/Features:**

- Fixed issue where pressing F2 to access BIOS does not work when connected to certain 4K monitor.
- Updated Integrated Graphics:
  - o Option ROM: Build 2180 PC 14.34
  - o UEFI Driver: 5.0.1037
- Fixed issue where Intel wireless adapters lose connectivity.
- Fixed issue where system restarts instead of shutting down with Linux.

**BIOS Version 0025 - WYLPT10H.86A.0025.2014.0303.1008**

**About This Release:**

- Date: March 4, 2014
- ME Firmware: 9.5.13.1706
- Integrated Graphics
  - Option ROM: Build 2179 PC 14.34
  - UEFI Driver: 5.0.1036
- LAN Option ROM: v1543 PXE 2.1 Build 092

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

- SATA RAID Option ROM: 12.7.0.1936
- EFI driver (GOP): 5.0.1036
- Visual BIOS: 2.2.4

**New Fixes/Features:**

- Improved EFI variable protection for Setup variable.
- Fixed issue where UEFI operating system fails to install.
- Updated Visual BIOS to version 2.2.4. Fixes include:
  - Fixed mapping issue for CPU Fan on NUC theme.
  - Added support for PSU Output Voltage to Performance Monitor.
  - Fixed video graphics display failure when display device did not support 1024x768 resolution.
  - Fixed video corruption that sometimes occurred when entering Visual Boot Manager.
  - Fixed cooling labels becoming selectable on Home Page for NUC theme.
  - Fixed issue where F9 and Load Defaults could be used when admin password was set and User Access Level was not Full Access.
  - Fixed issue where F10 and Save Changes were available when admin password was set and User Access Level was not Full Access.
  - Added support for Enable Countdown Timer and Countdown Timer value in Visual Boot Manager.
  - Fixed missing voltages in Cooling Page.
  - Fixed inactive Home Page 3 and Performance links.
  - Added support for loading data from file for platform (e.g. EDID, Secure Boot, etc).
  - Fixed issue where unsupported keys could be entered in password.
  - Fixed hang when using keyboard to configure a drop down control.
  - Added support for legacy boot options to Visual Boot Manager.
  - Added support for booting to multiple partitions on the same device from Visual Boot Manager.
  - Added support to Visual Boot Manager for booting to operating systems that do not support EFI default boot path.
  - Revised Visual Boot Manager (VBM) GUI to support more descriptive icons.
  - Added Network BIOS Update feature.
  - Also added auto update feature that can be enabled or disabled in the Visual BIOS settings section.
  - Added Driver Download feature.
  - Added Intel® Visual Boot Manager feature (requires additional launcher application).
- Updated message when no bootable device is found.

<b>BIOS Version 0024 - WYLPT10H.86A.0024.2014.0210.1909</b>
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**About This Release:**

- Date: February 10, 2014
- ME Firmware: 9.5.13.1706
- Integrated Graphics
  - Option ROM: Build 2179 PC 14.34
  - UEFI Driver: 5.0.1036

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

- LAN Option ROM: v1543 PXE 2.1 Build 092
- SATA RAID Option ROM: 12.7.0.1936
- EFI driver (GOP): 5.0.1036
- Visual BIOS: 2.1.5

**New Fixes/Features:**

- Updated fan speed control module.
- Fixed issue that prevented booting and installing some operating systems, such as SteamOS\*.
- Fixed issue where Hard Disk Drive Password length did not match the specification.
- Fixed issue where system hangs if certain USB thumb drives are connected.
- Updated Integrated Graphics:
  - Option ROM: Build 2179 PC 14.34
  - UEFI Driver: 5.0.1036
- Updated Visual BIOS strings:
  - Memory Information\Bank Locator modified to "Channel A/B slot 0"
  - Intel Dynamic Power Technology\If enabled, BIOS will report ACPI C2 State (mapped to processor C7 state).

**BIOS Version 0023 - WYLPT10H.86A.0023.2013.1224.0941**

**About This Release:**

- Date: December 24, 2013
- ME Firmware: 9.5.13.1706
- Integrated Graphics
  - Option ROM: Build 2177 PC 14.34
  - UEFI Driver: 5.0.1034
- LAN Option ROM: v1543 PXE 2.1 Build 092
- SATA RAID Option ROM: 12.7.0.1936
- EFI driver (GOP): 5.0.1034
- Visual BIOS: 2.1.5

**New Fixes/Features:**

- Fixed issue with random USB loss.
- Fixed issue where the Event count does not match the number of times the event occurred.
- Reduced POST time.
- Updated help information in Visual BIOS.
- Fixed issue where system won't boot to Linux Mint.

**BIOS Version 0022 - WYLPT10H.86A.0022.2013.1121.1757**

**About This Release:**

- Date: November 21, 2013
- ME Firmware: 9.5.13.1706
- Integrated Graphics
  - Option ROM: Build 2177 PC 14.34
  - UEFI Driver: 5.0.1034
- LAN Option ROM: v1543 PXE 2.1 Build 092
- SATA RAID Option ROM: 12.7.0.1936
- EFI driver (GOP): 5.0.1034
- Visual BIOS: 2.1.5

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

**New Fixes/Features:**

- Added Hard Disk Boot Delay feature in SATA pane in Visual BIOS.
- Updated Visual BIOS version to 2.1.5. Fixes include:
  - Fixed graphical error when toggling "eye" in Cooling section.
  - Size reduction of Intel® bitmap on upper right corner.
  - Fixed graphical error on shortcut menu with NUC theme.
  - Updated display strings for Temp and Voltages on Cooling page.
  - Fixed issue where home page left/right arrows did not hide correctly.
  - Fixed graphical issue when theme switching in Visual BIOS.
  - Added text to indicate that screenshots are saved in bitmap format.
  - Fixed cooling page graph colors.
  - Fixed checkboxes moving when modified.
  - Fixed graphical issue in hidden panes on Cooling page.
  - Removed performance page for THEME\_TYPE\_NUC\_ATOM (e.g. BYT products).
- Updated LAN PXE ROM version to 1.5.43.
- Fixed issue where certain 3TB external hard drive is not detected.
- Fixed PCH +5v value on Cooling page.
- Set Digital Microphone to disabled by default.

<b>BIOS Version 0021 - WYLPT10H.86A.0021.2013.1017.1606</b>
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**About This Release:**

- Date: October 17, 2013
- ME Firmware: 9.5.13.1706
- Integrated Graphics
  - Option ROM: Build 2177 PC 14.34
  - UEFI Driver: 5.0.1034
- LAN Option ROM: v1504 PXE 2.1 Build 092
- SATA RAID Option ROM: 12.7.0.1936
- EFI driver (GOP): 5.0.1034
- Visual BIOS: 2.1.2

**New Fixes/Features:**

- Fixed Fast Boot issue.
- Changed default values for Over-Temperature Threshold, Control Temperature (°C), All-On Temperature (°C).
- Fixed issues with Windows 8.1\* WHCK tests: Hardware Reserved Memory Test, Secure Boot Logo Test, and Secure Boot Manual Logo Test.

<b>BIOS Version 0018 - WYLPT10H.86A.0018.2013.0918.2135</b>
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**About This Release:**

- Date: September 18, 2013
- ME Firmware: 9.5.13.1706
- Integrated Graphics
  - Option ROM: Build 2177 PC 14.34
  - UEFI Driver: 5.0.1034
- LAN Option ROM: v1504 PXE 2.1 Build 092
- SATA RAID Option ROM: 12.7.0.1936

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

- EFI driver (GOP): 5.0.1034
- Visual BIOS: 2.1.2

**New Fixes/Features:**

- Initial production BIOS release

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