



---

**PRODUCTS: NUC8i3CYSN, NUC8i3CYSM**

---

**BIOS Version 0048 - CYCNLi35.86A.0048.2020.1215.2252**

**About This Release:**

- Date: December 15, 2020
- ROM Image Checksum: 0x09A2
- ME Firmware: 12.0.70.1652
- EC Firmware: C.13.0
- PMC Firmware: 300.1.20.1030
- Framework Reference Code: Based on 7.1.35.41
- LAN Option ROM: 0.0.19
- Visual Bios: 2.2.23
  
- Supported Flash Devices:  
WinBond          W25Q128FWSIQ          16MB (1.8V)
  
- Microcode Updates included in .ROM & .BIO Files:  
M8060663\_0000002A.mcb

**New Fixes/Features:**

- Updated BIOS code for security fixes.

**BIOS Version 0047 - CYCNLi35.86A.0047.2020.0922.1500**

**About This Release:**

- Date: September 22, 2020
- ROM Image Checksum: 0xB465
- ME Firmware: 12.0.70.1652
- EC Firmware: C.13.0
- PMC Firmware: 300.1.20.1030
- Framework Reference Code: Based on 7.1.35.41
- LAN Option ROM: 0.0.19
- Visual BIOS: 2.2.23
  
- Supported Flash Devices:  
WinBond          W25Q128FWSIQ          16MB (1.8V)
  
- Microcode Updates included in .ROM & .BIO Files:  
M8060663\_0000002A.mcb

**New Fixes/Features:**

- Updated ME firmware version to 12.0.70.1652.
- Updated PMC firmware to 300.1.20.1030.
- Updated BIOS code for security fixes.
- Fixed issue where computer restarts when updating a ITK-customized BIOS.

**Known Errata:**

- Due to the Intel® ME firmware update in BIOS version 0047, you can't downgrade to version 0046 or earlier.

**BIOS Version 0046 - CYCNLi35.86A.0046.2020.0612.1715****About This Release:**

- Date: Jun 12, 2020
- ROM Image Checksum: 0x7C0A
- ME Firmware: 12.0.64.1558
- EC Firmware: C.13.0
- PMC Firmware: 300.1.20.1015
- Framework Reference Code: Based on 7.1.35.41
- LAN Option ROM: 0.0.19
- Visual Bios: 2.2.23
  
- Supported Flash Devices:  
WinBond W25Q128FWSIQ 16MB(1.8V)
  
- Microcode Updates included in .ROM & .BIO Files:  
M8060663\_0000002A.mcb

**New Fixes/Features:**

- Updated BIOS code for security fixes.
- ME Firmware upgrade to 12.0.64.1558.

**Known Errata:**

- Due to the Intel® ME firmware update in BIOS version 0046, you can't downgrade to version 0045 or earlier.

**BIOS Version 0045 - CYCNLi35.86A.0045.2020.0417.1048****About This Release:**

- Date: April 17, 2020
- ROM Image Checksum: 0x3945
- ME Firmware: 12.0.49.1534
- EC Firmware: C.13.0
- PMC Firmware: 300.1.20.1015
- Framework Reference Code: Based on 7.1.35.41
- LAN Option ROM: 0.0.19
- Visual Bios: 2.2.23
  
- Supported Flash Devices:  
WinBond W25Q128FWSIQ 16MB (1.8V)
  
- Microcode Updates included in .ROM & .BIO Files:  
M8060663\_0000002A.mcb

**New Fixes/Features:**

- Set default SMBIOS family name to "CY".
- Fixed issue to address OOB read vulnerability for AHCI int13 SMI driver.
- Fixed issue that changed the resolution during PXE boot.
- Fixed issue in SMM code execution due to insufficient buffer validation.

- Fixed issue to address abnormal behavior in lock manufacturing mode.

**BIOS Version 0044 - CYCNLi35.86A.0044.2019.1129.2255**

**About This Release:**

- Date: Nov 29, 2019
- ROM Image Checksum: 0x9125
- ME Firmware: 12.0.49.1534
- EC Firmware: C.13.0
- PMC Firmware: 300.1.20.1015
- Framework Reference Code: Based on 7.1.35.41
- LAN Option ROM: 0.0.19
- Visual Bios: 2.2.23
  
- Supported Flash Devices:  
    WinBond          W25Q128FWSIQ          16MB(1.8V)
  
- Microcode Updates included in .ROM & .BIO Files:  
    M8060663\_0000002A.mcb

**New Fixes/Features:**

- Fixed issue with TPM 2.0.
- Fixed issue where "Chassis value type changed during flash by BIO" for Microsoft request.
- Fixed issue where "SMBIOS Field update BIOS" for Microsoft request
- Updated BIOS code for security fixes.
- ME Firmware upgrade to 12.0.49.1534.

**BIOS Version 0043 - CYCNLi35.86A.0043.2019.0821.1217**

**About This Release:**

- Date: August 21, 2019
- ROM Image Checksum: 0x2D2C
- ME Firmware: 12.0.3.1094
- EC Firmware: C.13.0
- PMC Firmware: 300.1.20.1015
- Framework Reference Code: Based on 7.1.35.41
- Supported Flash Devices:  
    WinBond          W25Q128FWSIQ          16MB(1.8V)
- Microcode Updates included in .ROM File:  
    M8060663\_0000002A.mcb
- Additional Microcode Updates included only in .BIO File:  
    M8060663\_0000002A.mcb

**New Fixes/Features:**

- Updated BIOS code for security fixes.
- Updated BIOS code for BIOS recovery with USB flash drive.
- Updated Chassis type default to 0x23.

**BIOS Version 0042 - CYCNLi35.86A.0042.2019.0703.1626**

**About This Release:**

- Date: July 03, 2019
- ROM Image Checksum: 0x05BD
- ME Firmware: 12.0.3.1094
- EC Firmware: C.13.0
- PMC Firmware: 300.1.20.1015
- Framework Reference Code: Based on 7.1.35.41
- LAN Option ROM: 0.0.19
- Visual Bios: 2.2.23
- Supported Flash Devices:
  - WinBond W25Q128FWSIQ 16MB(1.8V)
- Microcode Updates included in .ROM & .BIO Files:
  - M8060663\_0000002A.mcb

**New Fixes/Features:**

- Updated BIOS code for security fixes.

**BIOS Version 0041 - CYCNLi35.86A.0041.2019.0611.1500**

**About This Release:**

- Date: June 11, 2019
- ROM Image Checksum: 0xDF32
- ME Firmware: 12.0.3.1094
- EC Firmware: C.13.0
- PMC Firmware: 300.1.20.1015
- Framework Reference Code: Based on 7.1.35.41
- Supported Flash Devices:
  - WinBond W25Q128FWSIQ 16MB(1.8V)
- Microcode Updates included in .ROM File:
  - M8060663\_0000002A.mcb
- Additional Microcode Updates included only in .BIO File:
  - M8060663\_0000002A.mcb

**New Fixes/Features:**

- Updated BIOS code for security fix.
- Removed "SW Control" option from "Button LED" item in BIOS Setup.

**BIOS Version 0040 - CYCNLi35.86A.0040.2019.0311.1529**

**About This Release:**

- Date: March 11, 2019
- ME Firmware: 12.0.3.1094
- EC Firmware: C.13.0
- PMC Firmware: 300.1.20.1015
- Framework Reference Code: Based on 7.1.35.41

**New Fixes/Features:**

- Updated BIOS code for security fixes.

**BIOS Version 0039 - CYCNLi35.86A.0039.2018.1207.1801**

**About This Release:**

- Date: December 7, 2018

- ME Firmware: 12.0.3.1094
- EC Firmware: C.13.0
- PMC Firmware: 300.1.20.1015
- Framework Reference Code: Based on 7.1.35.41
- LAN Option ROM: 0.0.19
- Visual Bios: 2.2.23

**New Fixes/Features:**

- Fixed blue screen issue.

**BIOS Version 0038 - CYCNLi35.86A.0038.2018.1024.1115**

**About This Release:**

- Date: October 24, 2018
- ME Firmware: 12.0.3.1094
- EC Firmware: C.13.0
- PMC Firmware: 300.1.20.1015
- Framework Reference Code: Based on 7.1.35.41

**New Fixes/Features:**

- Updated EC Firmware to version 13.00.
- Updated BIOS Help text of supervisor and user password settings.
- Fixed issue where Turbo boost and Primary Power settings can't load default.
- Fixed issue where S3 Indicator items loses functionality when HDD LED is set to Power State Indicator.

**BIOS Version 0036 - CYCNLi35.86A.0036.2018.0801.1506**

**About This Release:**

- Date: August 2, 2018
- ME Firmware: 12.0.3.1094
- EC Firmware: C.12.0
- PMC Firmware: 300.1.20.1015

**New Fixes/Features:**

- Initial production BIOS release
- Improved Failsafe Watchdog message and correct the return values.

**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) 2018 Intel Corporation.