



PRODUCTS: NUC8i3CYSN, NUC8i3CYSM

BIOS Version 0049 - CYCNLi35.86A.0049.2021.0324.1524**About This Release:**

- Date: March 24, 2021
- ROM Image Checksum: 0x294F
- ME Firmware: 12.0.81.1753
- 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 to 12.0.81.1753
- Updated NTFS DXE driver when parsing NTFS file system partition.
- Updated BIOS code for security fixes.

Known Errata:

- Due to the Intel® ME firmware update in BIOS version 0049, you can't downgrade to version 0048 or earlier.

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.

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.

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