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**PRODUCTS: NUC8i3CYSN, NUC8i3CYSM (Standard BIOS)**

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**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)
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- Microcode Updates included in .ROM & .BIO Files:
 

M8060663_0000002A.mcb
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**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)
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- Microcode Updates included in .ROM File:
 

M8060663_0000002A.mcb
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- Additional Microcode Updates included only in .BIO File:
 

M8060663_0000002A.mcb
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**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.

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