



## BIOS Update Release Notes

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### PRODUCTS: CD1M3128MK (Standard BIOS)

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BIOS Version 0057 - MKKBLY35.86A.0057.2019.0528.1832

#### About This Release:

- Date: May 28, 2019
- ROM Image Checksum: 0x2BCD
- ME Firmware: 11.8.60.3561
- EC Firmware: 6.6D
- Integrated Graphics
  - Option ROM: 9.0.1060
  - UEFI Driver: 9.0.1084
- AHCI Code: Based on AHCI\_14
- Supported Flash Devices:

MACRONIX	MX25L6473F	8MB
WinBond	W25Q64FV	8MB
Gigadevice	GD25B64CWIGR	8MB
- Microcode Updates included in .ROM File:  
MC0806E9\_000000B4.mcb
- Additional Microcode Updates included only in .BIO File:  
MC0806E9\_000000B4.mcb

#### New Fixes/Features:

- Modified BIOS code for security fixes.
- Updated CPU microcode to MC0806E9\_000000B4.

BIOS Version 0056 - MKKBLY35.86A.0056.2019.0315.2102

#### About This Release:

- Date: March 15, 2019
- ME Firmware: 11.8.60.3561
- EC Firmware: 6.6D
- Integrated Graphics
  - Option ROM: 9.0.1060
  - UEFI Driver: 9.0.1084
- AHCI Code: Based on AHCI\_14

#### New Fixes/Features:

- Updated CPU microcode to MC0806E9\_0000009A.
- Updated Intel® ME firmware to version 11.8.60.3561.
- Modified BIOS code for security fixes.
- Updated support for Windows 10 RS5.
- Updated VBIOS to version 9.0.1060.
- Updated graphics UEFI driver to version 9.0.1084.

#### Known Errata:

- Due to the Intel® ME firmware update in BIOS version 0056, you can't downgrade to version 0054 or earlier.

**BIOS Version 0054 - MKKBLY35.86A.0054.2018.1123.1528****About This Release:**

- Date: November 23, 2018
- ME Firmware: 11.8.50.3460
- EC Firmware: 6.6D
- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1075
- AHCI Code: Based on AHCI\_14

**New Fixes/Features:**

- Updated setup items (F9 & CTRL-P) layout.
- Fixed UQI definition of "Event Logging" and "Allow UEFI Third Party Driver loaded".

**BIOS Version 0053 - MKKBLY35.86A.0053.2018.0829.1541****About This Release:**

- Date: August 29, 2018
- ME Firmware: 11.8.50.3460
- EC Firmware: 6.6D
- Integrated Graphics:
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1075
- AHCI Code: Based on AHCI\_14

**New Fixes/Features:**

- Added BIOS setup item for Boot USB Devices First.
- BIOS code improvements for Intel® Integrator Toolkit.

**BIOS Version 0052 - MKKBLY35.86A.0052.2018.0718.1614****About This Release:**

- Date: July 18, 2018
- ME Firmware: 11.8.50.3460
- EC Firmware: 6.6D
- Integrated Graphics:
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1075
- AHCI Code: Based on AHCI\_14

**New Fixes/Features:**

- Updated CPU Microcode (Security Advisory-00115).

**BIOS Version 0051 - MKKBLY35.86A.0051.2018.0529.1751****About This Release:**

- Date: May 29, 2018
- ME Firmware: 11.8.50.3460

- EC Firmware: 6.6Dh
- Integrated Graphics:
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1075
- AHCI Code: Based on AHCI\_14

**New Fixes/Features:**

- Updated EC firmware to version 6.6D.
- Added security enhancements.

**BIOS Version 0050 - MKKBLY35.86A.0050.2018.0327.1758**

**About This Release:**

- Date: March 27, 2018
- ME Firmware: 11.8.50.3460
- EC Firmware: 6.6Ch
- Integrated Graphics:
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1075
- AHCI Code: Based on AHCI\_14

**New Fixes/Features:**

- Updated Intel® ME firmware to version 11.8.50.3460.
- Updated the GOP version.
- Updated EC firmware to version 6.6C.
- Due to a security enhancement, the BIOS cannot be downgraded to any version older than version 0050.

**BIOS Version 0047 - MKKBLY35.86A.0047.2018.0227.1804**

**About This Release:**

- Date: February 27, 2018
- ME Firmware: 11.8.50.3425
- EC Firmware: 6.6Ah
- Integrated Graphics:
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066
- AHCI Code: Based on AHCI\_14

**New Fixes/Features:**

- Updated CPU Microcode (Security Advisory-00088)
- Updated EC firmware version to 6.6A.
- Fixed issue with disabling eMMC controller.
- Modified processor max speed.

**BIOS Version 0044 - MKKBLY35.86A.0044.2017.1221.1834**

**About This Release:**

- Date: December 21, 2017
- ME Firmware: 11.8.50.3425
- EC Firmware: 6.65h
- Integrated Graphics:
  - Option ROM: 9.0.1051

- o UEFI Driver: 9.0.1066
- AHCI Code: Based on AHCI\_14

**New Fixes/Features:**

- Updated CPU Microcode (Security Advisory-00088)
- Fixed an issue where loading the BIOS defaults wouldn't enable "USB Boot" when it was set to disabled.
- Updated EC firmware to version 6.65h.
- Added feature to allow HDD passwords.

**BIOS Version 0042 - MKKBLY35.86A.0042.2017.1108.1922****About This Release:**

- Date: November 8, 2017
- ME Firmware: 11.8.50.3425
- EC Firmware: 6.5Ah
- Integrated Graphics
  - o Option ROM: 9.0.1051
  - o UEFI Driver: 9.0.1066
- AHCI Code: Based on AHCI\_14

**New Fixes/Features:**

- Updated Intel® Management Engine Firmware to version 11.8.50.3425 for Security Advisory-00086.
- Updated processor support.
- Updated EC firmware to version 6.5A.
- Fixed WHCK issues: Secure Boot Manual Logo Test and WindowsToGo Boot Test.
- Added VT-d setup item.
- Fixed issue where computer cannot wake from S3/S4 via task scheduler.
- Added LAN boot support.
- Added BIOS setting for Suppress Alert Message.
- Implemented security updates.
- Updated BIOS WMI support for eject handler software.

**Known Errata:**

Due to a security enhancement, the BIOS version cannot be downgraded to a version earlier than BIOS 0042.

**BIOS Version 0036 - MKKBLY35.86A.0036.2017.0826.0755****About This Release:**

- Date: August 26, 2017
- ME Firmware: 11.7.0.3290
- EC Firmware: 6.55h
- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066

**New Fixes/Features:**

- Initial production BIOS release.

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