



## BIOS Update Release Notes

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### PRODUCTS: CD1IV128MK (Standard BIOS)

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**BIOS Version 0037 - MKKBLi5v.86A.0037.2019.0531.2257**

#### About This Release:

- Date: May 31, 2019
- ROM Image Checksum: 0x67DA
- ME Firmware: 11.8.60.3561.
- EC Firmware: 6.6D
- Memory Reference Code: Based on 3.2.0
- MEBx Revision: 11.0.0.0010
- Integrated Graphics
  - Option ROM: 9.0.1060
  - UEFI Driver: 9.0.1084
- AHCI Code: AHCI\_14
- Supported Flash Devices:
  - Winbond W25Q128FVPIG 16MB
  - MACRONIX MX25L12845EZNI 16MB
- Microcode Updates included in .ROM File:
  - MC0806E9\_000000B4.mcb
- Additional Microcode Updates included only in .BIO File:
  - MC0806E9\_000000B4.mcb

#### New Fixes/Features:

- Updated BIOS and CPU microcode for security fixes.

**BIOS Version 0036 - MKKBLi5v.86A.0036.2019.0318.1105**

#### About This Release:

- Date: March 18, 2019
- ME Firmware: 11.8.60.3561.
- EC Firmware: 6.6D
- Memory Reference Code: Based on 3.2.0
- MEBx Revision: 11.0.0.0010
- Integrated Graphics
  - Option ROM: 9.0.1060
  - UEFI Driver: 9.0.1084
- AHCI Code: 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 0036, you can't downgrade to version 0034 or earlier.

**BIOS Version 0034 - MKKBLi5v.86A.0034.2018.1123.1230****About This Release:**

- Date: November 23, 2018
- ME Firmware: 11.8.50.3460
- EC Firmware: 6.6D
- Memory Reference Code: Based on 3.2.0
- MEBx Revision: 11.0.0.0010
- Integrated Graphics
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1075
- AHCI Code: AHCI\_14

**New Fixes/Features:**

- Updated setup items (F9 & CTRL-P) layout.

**BIOS Version 0033 - MKKBLi5v.86A.0033.2018.0926.1510****About This Release:**

- Date: September 26, 2018
- ME Firmware: 11.8.50.3460
- EC Firmware: 6.6D
- Memory Reference Code: Based on 3.2.0
- MEBx Revision: 11.0.0.0010
- Integrated Graphics:
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1075
- AHCI Code: AHCI\_14

**New Fixes/Features:**

- Updated Intel Integrator Toolkit regarding configuring of Setup items.

**BIOS Version 0032 - MKKBLi5v.86A.0032.2018.0718.1545****About This Release:**

- Date: July 18, 2018
- ME Firmware: 11.8.50.3460
- EC Firmware: 6.6D
- Memory Reference Code: Based on 3.2.0
- MEBx Revision: 11.0.0.0010
- Integrated Graphics:
  - o Option ROM: 9.0.1051
  - o UEFI Driver: 9.0.1075
- AHCI Code: AHCI\_14

**New Fixes/Features:**

- Updated CPU Microcode (Security Advisory-00115).
- Added BIOS Option, "Boot USB Devices First".

**BIOS Version 0031 - MKKBLi5v.86A2018.0601.1349**

**About This Release:**

- Date: June 1, 2018
- ME Firmware: 11.8.50.3460
- EC Firmware: 6.6D
- MEBx Revision: 11.0.0.0010
- Integrated Graphics:
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1075
- AHCI Code: AHCI\_14

**New Fixes/Features:**

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

**BIOS Version 0030 - MKKBLi5v.86A.0030.2018.0328.1225**

**About This Release:**

- Date: March 28, 2018
- ME Firmware: 11.8.50.3460
- EC Firmware: 6.6C
- MEBx Code: 11.0.0.0010
- Integrated Graphics:
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1075
- AHCI Code: AHCI\_14

**New Fixes/Features:**

- Updated Intel® ME firmware to version 11.5.50.3460.
- 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 0030.

**BIOS Version 0028 - MKKBLi5v.86A.0028.2018.0226.1712**

**About This Release:**

- Date: February 26, 2018
- ME Firmware: 11.8.50.3425
- EC Firmware: 6.6A
- MEBx Code: 11.0.0.0010
- Integrated Graphics:
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066
- AHCI Code: AHCI\_14

**New Fixes/Features:**

- Updated CPU Microcode (Security Advisory-00088)
- Updated EC firmware to version 6.6A.
- Fixed issue with disabling eMMC controller.
- Fixed issue with POST hotkeys.
- Fixed issue with Remote Secure Erase with Intel® AMT.
- Modified processor max speed.

- Added HDD password functionality.
- Modified setup item ACPI S3 to depend on ECRAM.
- Fixed issue when USB Boot is set to disabled.

**BIOS Version 0024 - MKKBLi5v.86A.0024.2017.1113.1052**

**About This Release:**

- Date: November 13, 2017
- ME Firmware: 11.8.50.3425
- EC Firmware: 6.5A
- MEBx Code: 11.0.0.0010
- Integrated Graphics:
  - Option ROM: 9.0.1051
  - UEFI Driver: 9.0.1066

**New Fixes/Features:**

- Initial production BIOS release.

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