



BIOS Update Release Notes

PRODUCTS: CD1IV128MK

BIOS Version 0041 - MKKBLi5v.86A.0041.2020.0819.1551

About This Release:

- Date: Aug 19, 2020
- ROM Image Checksum: 0x29FB
- ME Firmware: 11.8.79.3722
- 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
- Visual BIOS: Intel Text Setup

- Supported Flash Devices:

Winbond	W25Q128FVPIG	16MB
MACRONIX	MX25L12845EZNI	16MB

- Microcode Updates included in .ROM & .BIO Files:
MC0806E9_000000D6.pdb

New Fixes/Features:

- Updated BIOS code for security fixes.
- Updated ME firmware to 11.8.79.3722

Known Errata:

- Due to the Intel® ME firmware update in BIOS version 0041, you can't downgrade to version 0040 or earlier.

BIOS Version 0040 - MKKBLi5v.86A.0040.2020.0520.1757

About This Release:

- Date: May 20, 2020
- ROM Image Checksum: 0x7527
- ME Firmware: 11.8.77.3664
- 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
- Visual BIOS: Intel Text Setup

- Supported Flash Devices:
Winbond W25Q128FVPIG 16MB
MACRONIX MX25L12845EZNI 16MB
- Microcode Updates included in .ROM & .BIO Files:
MC0806E9_000000CA.mcb

New Fixes/Features:

- Updated BIOS code for security fixes.
- Updated ME Firmware to 11.8.77.3664.
- Fixed PXE boot issue where network service boot message was not being displayed.
- Added VCUST/ITK UQI list file to release package.

Known Errata:

- Due to the Intel® ME firmware update in BIOS version 0040, you can't downgrade to version 0039 or earlier.

BIOS Version 0039 - MKKBLi5v.86A.0039.2020.0110.1647

About This Release:

- Date: Jan 10, 2020
- ROM Image Checksum: 0x20B3
- ME Firmware: 11.8.70.3626.
- 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
- Visual BIOS: Intel Text Setup
- Supported Flash Devices:
Winbond W25Q128FVPIG 16MB
MACRONIX MX25L12845EZNI 16MB
- Microcode Updates included in .ROM & .BIO Files:
MC0806E9_000000B4.mcb

New Fixes/Features:

- Updated ME FW to 11.8.70.3626.
- Updated BIOS and CPU microcode for security fixes.

Known Errata:

- User can't use F7 flash/EBU to downgrade to MKV0038 and previous versions due to ME 11.8.70.3626 can't downgrade to previous ME version. (It could use F4 recovery downgrade, because F4 recovery didn't update ME).

BIOS Version 0038 - MKKBLi5v.86A.0038.2019.0813.1700

About This Release:

- Date: August 13, 2019

- ROM Image Checksum: 0x7121
- 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:

- Added Realtek PXE option ROM.
- Updated BIOS for security fixes.
- Updated BIOS code for BIOS recovery with USB flash drive.

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:
 - Option ROM: 9.0.1051
 - 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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