



BIOS Update Release Notes

PRODUCTS: STK2m364CC, STK2m3W64CC (Standard BIOS)

BIOS Version 0064 - CCSKlm30.86A.0064.2020.1104.1804

About This Release:

- Date: November 04, 2020
- ROM Image Checksum: 0xA5DB
- ME Firmware: 11.8.80.3746
- Memory Reference Code: Based on 1.7.0.0
- Integrated Graphics:
 - Option ROM: Build 1040 PC 14.34
 - UEFI Driver: 9.0.1047
- AHCI Code: Based on AHCI_10
- Visual BIOS: Text Setup

- Supported Flash Devices:

WinBond	W25Q128FVSIQ	8MB
MACRONIX	MX25L12873FM2I-10G	8MB

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

MC0406E3_000000E2.pdb
M36506E3_000000E2.pdb

New Fixes/Features:

- Updated ME firmware to 11.8.80.3746
- Updated BIOS code for security fixes.

Known Errata:

- Due to the Intel® ME firmware update in BIOS version 0064, you can't downgrade to version 0063 or earlier.

BIOS Version 0063 - CCSKlm30.86A.0063.2020.0423.1509

About This Release:

- Date: April 23, 2020
- ROM Image Checksum: 0x62D3
- ME Firmware: 11.8.70.3626
- Memory Reference Code: Based on 1.7.0.0
- Integrated Graphics:
 - Option ROM: Build 1040 PC 14.34
 - UEFI Driver: 9.0.1047
- AHCI Code: Based on AHCI_10
- Visual BIOS: Text Setup

- Supported Flash Devices:

WinBond	W25Q128FVSIQ	8MB
MACRONIX	MX25L12873FM2I-10G	8MB

- Microcode Updates included in .ROM & .BIO Files:
 MC0406E3_000000CB_000000CC.mcb
 M36506E3_000000CB_000000CC.mcb

New Fixes/Features:

- Updated BIOS code for security fixes.

BIOS Version 0062 - CCSKlm30.86A.0062.2019.1212.1543

About This Release:

- Date: Dec 10, 2019
- ROM Image Checksum: 0x0930
- ME Firmware: 11.8.70.3626
- Memory Reference Code: Based on 1.7.0.0
- Integrated Graphics:
 - Option ROM: Build 1040 PC 14.34
 - UEFI Driver: 9.0.1047
- AHCI Code: Based on AHCI_10
- Supported Flash Devices:

WinBond	W25Q128FVSIQ	8MB
MACRONIX	MX25L12873FM2I-10G	8MB
- Microcode Updates included in .ROM & .BIO Files:
 MC0406E3_000000CB_000000CC.mcb
 M36506E3_000000CB_000000CC.mcb

New Fixes/Features:

- Update ME to 11.8.70.3626
- Updated BIOS code for security fixes.
- Fixed Hybrid BIOS USB recovery.
-

Known Errata:

- Due to the Intel® ME firmware update in BIOS version 0062, you can't downgrade to version 0061 or earlier.

BIOS Version 0061 - CCSKlm30.86A.0061.2019.0724.1403

About This Release:

- Date: July 24, 2019
- ROM Image Checksum: 0x32DF
- ME Firmware: 11.8.65.3590
- Memory Reference Code: Based on 1.7.0.0
- Integrated Graphics
 - Option ROM: Build 1040 PC 14.34
 - UEFI Driver: 9.0.1047
- AHCI Code: Based on AHCI_10
- Supported Flash Devices:

WinBond	W25Q128FVSIQ	8MB
MACRONIX	MX25L12873FM2I-10G	8MB
- Microcode Updates included in .ROM File:
 MC0406E3_000000CB_000000CC.mcb
 M36506E3_000000CB_000000CC.mcb

New Fixes/Features:

- Updated BIOS code for security fixes.

BIOS Version 0060 - CCSKlm30.86A.0060.2019.0517.1441

About This Release:

- Date: May 17, 2019
- ROM Image Checksum: 0x2859
- ME Firmware: 11.8.65.3590
- Memory Reference Code: Based on 1.7.0.0
- Integrated Graphics
 - Option ROM: Build 1040 PC 14.34
 - UEFI Driver: 9.0.1047
- AHCI Code: Based on AHCI_10

New Fixes/Features:

- Updated BIOS code for security fixes.
- Updated processor microcode.
- Updated Intel® ME firmware to version 11.8.65.3590.
- Change SMBIOS chassis type to 0x24 Stick PC.

Known Errata:

- Due to the Intel® ME firmware update in BIOS version 0060, you can't downgrade to version 0059 or earlier.

BIOS Version 0059 - CCSKlm30.86A.0059.2019.0305.1958

About This Release:

- Date: March 5, 2019
- ME Firmware: 11.8.50.3425
- Memory Reference Code: Based on 1.7.0.0
- Integrated Graphics
 - Option ROM: Build 1040 PC 14.34
 - UEFI Driver: 9.0.1047
- AHCI Code: Based on AHCI_10

New Fixes/Features:

- Updated BIOS code for security fixes.

BIOS Version 0058 - CCSKlm30.86A.0058.2018.0727.1102

About This Release:

- Date: July 27, 2018
- ME Firmware: 11.8.50.3425
- Memory Reference Code: Based on 1.7.0.0
- Integrated Graphics:
 - Option ROM: Build 1040 PC 14.34
 - UEFI Driver: 9.0.1047

New Fixes/Features:

- Updated CPU Microcode (Security Advisory-00115)

- Disabled and removed Intel® Ready Mode Technology related items from BIOS setup for Intel Security fix.

BIOS Version 0057 - CCSKlm30.86A.0057.2018.0516.1831

About This Release:

- Date: May 16, 2018
- ME Firmware: 11.8.50.3425
- Memory Reference Code: Based on 1.7.0.0
- Integrated Graphics:
 - Option ROM: Build 1040 PC 14.34
 - UEFI Driver: 9.0.1047

New Fixes/Features:

- Security enhancements.

BIOS Version 0056 - CCSKlm30.86A.0056.2018.0424.1616

About This Release:

- Date: April 24, 2018
- ME Firmware: 11.8.50.3425
- Memory Reference Code: Based on 1.7.0.0
- Integrated Graphics
 - Option ROM: Build 1040 PC 14.34
 - UEFI Driver: 9.0.1047

New Fixes/Features:

- Security enhancements.

BIOS Version 0054 - CCSKlm30.86A.0054.2017.1225.1932

About This Release:

- Date: December 25, 2017
- ME Firmware: 11.8.50.3425
- Memory Reference Code: Based on 1.7.0.0
- Integrated Graphics
 - Option ROM: Build 1040 PC 14.34
 - UEFI Driver: 9.0.1047

New Fixes/Features:

- Updated CPU Microcode (Security Advisory-00088)

BIOS Version 0053 - CCSKlm30.86A.0053.2017.1123.1932

About This Release:

- Date: November 23, 2017
- ME Firmware: 11.8.50.3425
- Memory Reference Code: Based on 1.7.0.0
- Integrated Graphics
 - Option ROM: Build 1040 PC 14.34

- o UEFI Driver: 9.0.1047

New Fixes/Features:

- Security Enhancements.
- Updated Management Engine Firmware to version: 11.8.50.3425 (Security Advisory-00086).
- Due to a security enhancement, it will not be possible to go to any BIOS earlier than BIOS 0053.
- Updated GUID.

BIOS Version 0052 - CCSKlm30.86A.0052.2017.0907.1120

About This Release:

- Date: September 07, 2017
- ME Firmware: 11.0.12.1008
- Memory Reference Code: Based on 1.7.0.0
- Integrated Graphics:
 - Option ROM: Build 1040 PC 14.34
 - UEFI Driver: 9.0.1047

New Fixes/Features:

- Security enhancements.
- Added setup option "Allow UEFI 3rd Party Driver loaded".

BIOS Version 0051 - CCSKlm30.86A.0051.2017.0515.1711

About This Release:

- Date: May 15, 2017
- ME Firmware: 11.0.12.1008
- Memory Reference Code: Based on 1.7.0.0
- Integrated Graphics
 - Option ROM: Build 1040 PC 14.34
 - UEFI Driver: 9.0.1047

New Fixes/Features:

- Micro Code update to fix Hyper-Threading issue.
- Updated uCode

BIOS Version 0050 - CCSKlm30.86A.0050.2017.0330.1035

About This Release:

- Date: March 30, 2017
- ME Firmware: 11.0.12.1008
- EC Firmware: 1.13
- Memory Reference Code: Based on 1.7.0.0
 - o Integrated Graphics
 - o Option ROM: Build 1040 PC 14.34
- UEFI Driver: 9.0.1047

New Fixes/Features:

- Fixed an issue where the Bluetooth driver would malfunction causing a yellow bang.
- Fixed HLK secure boot item failure.
- Modified items for DCI solution.
- Fixed PTT (TPM) not working with Ubuntu 14.04.

BIOS Version 0047 - CCSKlm30.86A.0047.2017.0104.1511

About This Release:

- Date: January 04, 2017
- ME Firmware: 11.0.12.1008
- EC Firmware: 1.13
- Memory Reference Code: Based on 1.7.0.0
- MEBx Code: NA
- Integrated Graphics
 - Option ROM: Build 1040 PC 14.34
 - UEFI Driver: 9.0.1047

New Fixes/Features:

- Updated USB RT#2 security solution.
- Security enhancements

BIOS Version 0045 - CCSKlm30.86A.0045.2016.1021.1155

About This Release:

- Date: October 21, 2016
- ME Firmware: 11.0.12.1008
- Framework BIOS Reference Code: Based on 1.7.0.0
- Integrated Graphics
 - Option ROM: Build 1040 PC 14.34
 - UEFI Driver: 9.0.1047
- LAN Option ROM: None

New Fixes/Features:

- Updated SDIO module to version 10.
- Modified InitHomePageStrings.c to fix UUID issue.

BIOS Version 0044 - CCSKlm30.86A.0044.2016.0909.1528

About This Release:

- Date: September 09, 2016
- ME Firmware: 11.0.12.1008
- Framework BIOS Reference Code: Based on 1.7.0.0
- Integrated Graphics
 - Option ROM: Build 1040 PC 14.34
 - UEFI Driver: 9.0.1047
- LAN Option ROM: None

New Fixes/Features:

- Added Bluetooth Keyboard support during POST function.

BIOS Version 0043 - CCSKlm30.86A.0043.2016.0906.1911

About This Release:

- Date: September 09,2016
- ME Firmware: 11.0.12.1008
- Framework BIOS Reference Code: Based on 1.7.0.0
- Integrated Graphics
 - Option ROM: Build 1040 PC 14.34
 - UEFI Driver: 9.0.1047
- LAN Option ROM: None

New Fixes/Features:

- Updated Hynix SPD table
- Changed setting so that the BIOS cannot be flashed earlier than version 0042.

BIOS Version 0042 - CCSKlm30.86A.0042.2016.0826.1543

About This Release:

- Date: August 26,2016
- ME Firmware: 11.0.12.1008
- Framework BIOS Reference Code: Based on 1.7.0.0
- Integrated Graphics
 - Option ROM: Build 1040 PC 14.34
 - UEFI Driver: 9.0.1047
- LAN Option ROM: None

New Fixes/Features:

- Security Enhancements.
- Changed setting so that the BIOS cannot be flashed earlier than version 0036.

BIOS Version 0036 - CCSKlm30.86A.0036.2016.0602.1357

About This Release:

- Date: June 2,2016
- ME Firmware: 11.0.12.1008
- Framework BIOS Reference Code: Based on 1.7.0.0
- Integrated Graphics
 - Option ROM: Build 1040 PC 14.34
 - UEFI Driver: 9.0.1047
- LAN Option ROM: None

New Fixes/Features:

- Fixed an SD card timing issue
- Update microcode to v8A
- Removed the help text of the setup item "Fan Mode"
- Updated the GOP driver to 9.0.1047
- Updated the VBIOS to 9.0.1040
- Updated the ME to version 11.0.12.1008

BIOS Version 0034 - CCSKlm30.86A.0034.2016.0512.1846

About This Release:

- Date: May 12,2016
- ME Firmware: 11.0.0.1202
- Framework BIOS Reference Code: Based on 1.7.0.0
- Integrated Graphics
 - Option ROM: Build 1033 PC 14.34
 - UEFI Driver: 9.0.1042
- LAN Option ROM: None

New Fixes/Features:

- Updated the firmware image configuration for the Platform Trust Technology.
- Added Software Guard Extensions (SGX) setup item.
- Updated the Windows GUID firmware function.
- Updated the firmware image configuration setting for the Trusted Platform Module.

BIOS Version 0032 - CCSKlm30.86A.0032.2016.0325.1442

About This Release:

- Date: March 25,2016
- ME Firmware: 11.0.0.1202
- Framework BIOS Reference Code: Based on 1.7.0.0
- Integrated Graphics
 - Option ROM: Build 1033 PC 14.34
 - UEFI Driver: 9.0.1042
- LAN Option ROM: None

New Fixes/Features:

- Updated CPU microcode.
- Modified the RC6(Render Standby) default to disable.
- Updated the power button menu to show the recovery progress when using F4 Recovery. The recovery can be cancelled if the ESC key is hit within 20 seconds.
- Updated ME to v1202.
- Fixed issue that caused Compute Stick to hang.
- Fixed an issue with 4K monitors by changing the "DVMT Pre-Allocated" default to 64MB.
- Fixed an issue that would cause OA3 to fail.
- Fixed an issue that would cause a bluescreen when waking up from S3.
- Modified TPM setting.

BIOS Version 0025 - CCSKlm30.86A.0025.2016.0115.0932

About This Release:

- Date: January 15, 2016
- ME Firmware: 11.0.0.1180
- Framework BIOS Reference Code: Based on 1.7.0.0
- Integrated Graphics
 - Option ROM: Build 1033 PC 14.34

UEFI Driver: 9.0.1042

- LAN Option ROM: None

New Fixes/Features:

- Initial production BIOS release.

LEGAL INFORMATION

Information in this document is provided in connection with Intel Products and for the purpose of supporting Intel developed server/desktop boards and systems.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Intel's Terms and Conditions of Sale for such products, Intel assumes no liability whatsoever, and Intel disclaims any express or implied warranty, relating to sale and/or use of Intel products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright or other intellectual property right. Intel Corporation may have patents or pending patent applications, trademarks, copyrights, or other intellectual property rights that relate to the presented subject matter. The furnishing of documents and other materials and information does not provide any license, express or implied, by estoppel or otherwise, to any such patents, trademarks, copyrights, or other intellectual property rights. Intel products are not intended for use in medical, lifesaving, or life sustaining applications. Intel may make changes to specifications and product descriptions at any time, without notice.

Intel is a trademark of Intel Corporation in the US and other countries.
Copyright (c) 2016 Intel Corporation.