



## BIOS Update Release Notes

### PRODUCTS: STK2m364CC, STK2m3W64CC (Standard BIOS)

**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

- o 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.

<b>BIOS Version 0032 - CCSKlm30.86A.0032.2016.0325.1442</b>
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**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.

<b>BIOS Version 0025 - CCSKlm30.86A.0025.2016.0115.0932</b>
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**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.

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