PRODUCTS: STK2mv64CC (Standard BIOS)

BIOS Version 0059 - CCSKLm5v.86A.0059.2019.0305.1945

About This Release:

- Date: March 5, 2019
- ME Firmware: 11.8.50.3425
- Memory Reference Code: Based on 1.7.0.0
- MEBx Revision: 11.0.0.0008
- 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 - CCSKLm5v.86A.0058.2018.0727.1202

About This Release:

- Date: July 27, 2018
- ME Firmware: 11.8.50.3425
- Memory Reference Code: Based on 1.7.0.0
- MEBx Revision: 11.0.0.0008
- 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 - CCSKLm5v.86A.0057.2018.0521.1920

About This Release:

- Date: May 21, 2018
- ME Firmware: 11.8.50.3425
- Memory Reference Code: Based on 1.7.0.0
- MEBx Revision: 11.0.0.0008
- Integrated Graphics:
  - Option ROM: Build 1040 PC 14.34
  - UEFI Driver: 9.0.1047

New Fixes/Features:

- Security enhancements.

BIOS Version 0056 - CCSKLm5v.86A.0056.2018.0424.1908

About This Release:

- Date: April 24, 2018
- ME Firmware: 11.8.50.3425
- MEBx Revision: 11.0.0.0008
- Integrated Graphics:
  - Option ROM: Build 1040 PC 14.34
  - UEFI Driver: 9.0.1047
- AHCI Code: Based on AHCI_10

New Fixes/Features:

- Updated XML settings.
- Fixed issue where Intel® ME firmware remains at 11.0.25.3001 after BIOS flash via Dediprog.

BIOS Version 0054 - CCSKLm5v.86A.0054.2017.1226.1921

About This Release:

- Date: December 26, 2017
- ME Firmware: 11.8.50.3425
- MEBx Revision: 11.0.0.0008
- Integrated Graphics:
  - Option ROM: Build 1040 PC 14.34
  - UEFI Driver: 9.0.1047
- AHCI Code: Based on AHCI_10

New Fixes/Features:

- Updated CPU Microcode (Security Advisory-00088)

BIOS Version 0053 - CCSKLm5v.86A.0053.2017.1124.1921

About This Release:

- Date: November 24, 2017
- ME Firmware: 11.8.50.3425
- EC Firmware: 1.13
- Integrated Graphics
  - Option ROM: Build 1040 PC 14.34
  - UEFI Driver: 9.0.1047
- AHCI Code: Based on AHCI_10

New Fixes/Features:

- 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.
- Update GUID.

BIOS Version 0052 - CCSKLm5v.86A.0052.2017.0905.2141

About This Release:

- Date: September, 05, 2017
- ME Firmware: 11.0.25.3001
- MEBx Code: 11.0.0.0008

- Integrated Graphics
    - Option ROM: Build 1040 PC 14.34
    - UEFI Driver: 9.0.1047
- AHCI Code: AHCI_10

New Fixes/Features:

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

BIOS Version 0051 - CCSKLm5v.86A.0051.2017.0512.1745

About This Release:

- Date: May 12, 2017
- ME Firmware: 11.0.25.3001
- EC Firmware: 1.13
- MEBx Code: v11.0.0.0008
- Integrated Graphics
    - Option ROM: Build 1040 PC 14.34
    - UEFI Driver: 9.0.1047
- AHCI Code: AHCI_10

New Fixes/Features:

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

BIOS Version 0050 - CCSKLm5v.86A.0050.2017.0505.1523

About This Release:

- Date: May 05, 2017
- ME Firmware: 11.0.25.3001
- EC Firmware: 1.13
- Integrated Graphics
    - Option ROM: Build 1040 PC 14.34
    - UEFI Driver: 9.0.1047
- AHCI Code: AHCI_10

New Fixes/Features:

- Updated Intel® Management Engine firmware to version 11.0.25.3001.
- Fixed issue where Bluetooth driver disappears.
- Updated SDIO module to 10.
- Updated DBX.

BIOS Version 0047 - CCSKLm5v.86A.0047.2017.0316.1721

About This Release:

- Date: March 16, 2017
- ME Firmware: 11.0.12.100
- EC Firmware: 1.13
- Integrated Graphics
    - Option ROM: Build 1040 PC 14.34
    - UEFI Driver: 9.0.1047
- AHCI Code: AHCI_10

New Fixes/Features:

- Modified BIOS for DCI solution.

- Fixed PTT failure.

BIOS Version 0046 - CCSKLm5v.86A.0046.2017.0105.1608

About This Release:

- Date: January 05, 2017
- ME Firmware: 11.0.12.100
- EC Firmware: 1.13
- Integrated Graphics
  - Option ROM: Build 1040 PC 14.34
  - UEFI Driver: 9.0.1047

New Fixes/Features:

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

BIOS Version 0044 - CCSKLm5v.86A.0044.2016.0909.1600

About This Release:

- Date: September 09, 2016
- ME Firmware: 11.0.16.100
- Framework BIOS Reference Code: Based on 1.7.0
- 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 - CCSKLm5v.86A.0043.2016.0906.1915

About This Release:

- Date: September 06, 2016
- ME Firmware: 11.0.16.100
- Framework BIOS Reference Code: Based on 1.7.0
- 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 - CCSKLm5v.86A.0042.2016.0831.1447

About This Release:

- Date: August 30, 2016
- ME Firmware: 11.0.16.100
- Framework BIOS Reference Code: Based on 1.7.0
- Integrated Graphics
  - Option ROM: Build 1040 PC 14.34
  - UEFI Driver: 9.0.1047

- LAN Option ROM: None

New Fixes/Features:

- Changed setting so that the BIOS cannot be flashed earlier than version 0040.
- Changed the help text from "High Power USB Devices" to "Enabled will allocate more power to the USB ports for self-powered USB devices which will decrease power to the processor. Disabled will allocate more power to the processor instead of the USB ports which will require the use of powered USB hubs."
- Updated ME to version 11.0.16.100
- Fixed issue where PL1/PL2 value will reset to default after S3.
- Security Enhancements.
- Added more robust memory support.

BIOS Version 0039 - CCSKLm5v.86A.0039.2016.0715.1139

About This Release:

- Date: July 15, 2016
- ME Firmware: 11.0.12.1008
- Framework BIOS Reference Code: Based on 1.7.0
- Integrated Graphics
  - Option ROM: Build 1040 PC 14.34
  - UEFI Driver: 9.0.1047
- LAN Option ROM: None

New Fixes/Features:

- Added the setup item, High Power USB Devices, in the configuration page.
  - Box Unchecked – The Default (disabled) for TSE
  - Set PL3 to 16000
  - Set PL4 to 18000
  - Set Psys Power Limit time to 28
  - Set Power Limit time to 28
  - Box Checked (enabled) for TSE
  - Set PL3 to 14000
  - Set PL4 to 14000
  - Set Psys Power Limit time to 10
  - Set Power Limit time to 10
- Updated the CPU microcode
- Updated CRB33 and RC 2.0.0.
- Disabled USB XHCI compliance mode.
- Fixed Bluetooth issues.
- Added the Bluetooth module structure in the BIOS, but Bluetooth isn't available in POST yet.
- Changed the BIOS functionality so that it is not possible to downgrade the BIOS earlier than BIOS version 0035 using; F7, iFlash 2, or EBU. Due to the fact that the ME can't downgrade.

BIOS Version 0036 - CCSKLm5v.86A.0036.2016.0601.1510

About This Release:

- Date: June 1, 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:

- Update ME to 11.0.12.1008
- Update GOP driver to 9.0.1047
- Update VBIOS to 9.0.1040
- Fixed an SD card timing issue

BIOS Version 0035 - CCSKLm5v.86A.0035.2016.0518.1525

About This Release:

- Date: May 18, 2016
- ROM Image Checksum: 0xBC37
- 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 ME to version 1202.
- Update the Software Guard Extensions (SGX) default setting.
- Update the CPU microcode.
- Fixed Trusted Execution Technology function.

BIOS Version 0032 - CCSKLm5v.86A.0032.2016.0325.1519

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:

- Initial production BIOS release.