



## BIOS Update Release Notes

### PRODUCTS: STK1AW32SC, STK1A32SC (Standard BIOS)

**BIOS Version 0047 - SCCHTAX5.86A.0047.2020.0115.1928**

#### About This Release:

- Date: Jan 13, 2020
- ROM Image Checksum: 0x96C2
- TXE Firmware: 2.00.05.3105
- Framework BIOS Reference Code: Based on 3.4
- Integrated Graphics:
  - Option ROM: 9.0.1046
  - UEFI Driver: 9.0.1056
- Visual BIOS: Intel Text Setup
- Supported Flash Devices:

WinBond	W25Q64FWSSIG-T	8MB
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- Microcode Updates included in .ROM & .BIO Files:

M01406C3368.PDB
M01406C4411.PDB

#### New Fixes/Features:

- Fixed issue where F7 could not update SMBIOS family name/chassis type for Microsoft MDA request.
- Fixed issue where the SMBIOS family default is not 'SC' for Microsoft MDA requirements.
- Fixed issue where Intel NUCs bypassing EFI variables protection.

#### Known Errata:

- Due to the microcode updates in BIOS version 0047, you can't downgrade to version 0045 or earlier.

**BIOS Version 0045 - SCCHTAX5.86A.0045.2019.1223.1916**

#### About This Release:

- Date: Dec 23, 2019
- ROM Image Checksum: 0xE919
- TXE Firmware: 2.00.05.3105
- Framework BIOS Reference Code: Based on 3.4
- Integrated Graphics:
  - Option ROM: 9.0.1046
  - UEFI Driver: 9.0.1056
- Supported Flash Devices:

WinBond	W25Q64FWSSIG-T	8MB
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- Microcode Updates included in .ROM & .BIO Files:

M01406C3368.PDB
M01406C4411.PDB

\*Other names and brands may be claimed as the property of others.

**New Fixes/Features:**

- Updated BIOS code for security fixes.
- Improved Hybrid BIOS USB BIOS Recovery code.
- Fixed issue where "Chassis value type changed during flash by BIO" for Microsoft request.
- Fixed issue where "SMBIOS Field update BIOS" for Microsoft request.
- Fixed Changed family name default to SC for Microsoft request.

**BIOS Version 0044 - SCCHTAX5.86A.0044.2019.0620.2044**

**About This Release:**

- Date: June 20, 2019
- TXE Firmware: 2.00.05.3105
- Framework BIOS Reference Code: Based on 3.4
- Integrated Graphics:
  - Option ROM: 9.0.1046
  - UEFI Driver: 9.0.1056

**New Fixes/Features:**

- Updated BIOS code for security fixes.

**BIOS Version 0043 - SCCHTAX5.86A.0043.2019.0408.1421**

**About This Release:**

- Date: April 8, 2019
- TXE Firmware: 2.00.05.3105
- Framework BIOS Reference Code: Based on 3.4
- Integrated Graphics
  - Option ROM: 9.0.1046
  - UEFI Driver: 9.0.1056

**New Fixes/Features:**

- Updated BIOS code for security fixes.

**BIOS Version 0041 - SCCHTAX5.86A.0041.2018.0620.1803**

**About This Release:**

- Date: June 08, 2018
- TXE Firmware: 2.00.05.3105
- Framework BIOS Reference Code: Based on 3.4
- Integrated Graphics
  - Option ROM: 9.0.1046
  - UEFI Driver: 9.0.1056

**New Fixes/Features:**

- Security enhancements.
- Added a workaround for an issue that caused no display when waking from S3 when RC6 remote was enabled.

**BIOS Update 0040 - SCCHTAX5.86A.0040.2018.0313.1442**

**About This Release:**

\*Other names and brands may be claimed as the property of others.

- Date: March 13, 2018
- XE Firmware: 2.00.05.3105
- Framework BIOS Reference Code: Based on 3.4
- Integrated Graphics
  - Option ROM: 9.0.1046
  - UEFI Driver: 9.0.1056

**New Fixes/Features:**

- Updated CPU Microcode (Security Advisory-00088)

**BIOS Version 0038 - SCCHTAX5.86A.0038.2017.1127.1755**

**About This Release:**

- Date: November 8, 2017
- TXE Firmware: 2.00.05.3105
- Framework BIOS Reference Code: Based on 3.4
- Integrated Graphics:
  - Option ROM: 9.0.1046
  - UEFI Driver: 9.0.1056

**New Fixes/Features:**

- Security Enhancements.
- Add setup item: "Allow UEFI 3rd party driver loaded".
- Due to a security enhancement, it will not be possible to go to any BIOS earlier than BIOS 0038.

**BIOS Version 0037 - SCCHTAX5.86A.0037.2017.0914.1859**

**About This Release:**

- Date: September 14, 2017
- TXE Firmware: 2.00.05.3105
- Framework BIOS Reference Code: Based on 3.4
- Integrated Graphics:
  - Option ROM: 9.0.1046
  - UEFI Driver: 9.0.1056

**New Fixes/Features:**

- Fixed issue where the BIOS would reset to defaults after pairing a Bluetooth keyboard.

**BIOS Version 0035 - SCCHTAX5.86A.0035.2017.0410.1745**

**About This Release:**

- Date: April 10, 2017
- TXE Firmware: 2.00.05.3105
- Memory Reference Code: Based on 0.34.0.16.1
- Integrated Graphics
  - Option ROM: 9.0.1046
  - UEFI Driver: 9.0.1056

**New Fixes/Features:**

- Added workaround when black screen is occurs.

**BIOS Version 0034 - SCCHTAX5.86A.0034.2017.0302.1921**

**About This Release:**

- Date: March 19, 2017
- TXE Firmware: 2.00.05.3105
- Memory Reference Code: Based on 0.34.0.16.1
- Integrated Graphics
  - Option ROM: 9.0.1046
  - UEFI Driver: 9.0.1056

**New Fixes/Features:**

- Fixed issue where Power State setting in BIOS has no affect when set to Always Off.

**BIOS Version 0032 - SCCHTAX5.86A.0032.2017.0111.1339**

**About This Release:**

- Date: January 11, 2017
- TXE Firmware: 2.00.05.3105
- Memory Reference Code: Based on 0.34.0.16.1
- Integrated Graphics
  - Option ROM: 9.0.1046
  - UEFI Driver: 9.0.1056
- GOP Driver : 8.0.1037

**New Fixes/Features:**

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

**BIOS Version 0030 - SCCHTAX5.86A.0030.2016.1024.1920**

**About This Release:**

- Date: October 24, 2016
- TXE Firmware: 2.00.05.3105
- Framework BIOS Reference Code: Based on 3.0
- GOP Driver : 8.0.1037

**New Fixes/Features:**

- Security Enhancements.

**BIOS Version 0029 - SCCHTAX5.86A.0029.2016.0914.1508**

**About This Release:**

- Date: September 14, 2016
- TXE Firmware: 2.00.05.3105
- Framework BIOS Reference Code: Based on 3.0
- GOP Driver : 8.0.1037

**New Fixes/Features:**

- Security enhancements.
- Added android option.
- Update TCG to TCG10.
- Added item for PTT enable/disable.
- Added BT scan device solution.

**BIOS Version 0026 - SCCHTAX5.86A.0026.2016.0722.1307**

**About This Release:**

- Date: July 22, 2016
- TXE Firmware: 2.00.05.3105
- Framework BIOS Reference Code: Based on 3.0
- GOP Driver : 8.0.1037

**New Fixes/Features:**

- Fixed a Bluetooth keyboard sync issue.
- Updated Microcode.
- Update TXE to 02.00.05.3105

**BIOS Version 0024 - SCCHTAX5.86A.0024.2016.0408.1041**

**About This Release:**

- Date: April 8, 2016
- TXE Firmware: 2.0.4.3100
- Framework BIOS Reference Code: Based on 2.80
- GOP Driver : 8.0.1037

**New Fixes/Features:**

- Fixed issue where Intel Driver Update Utility does not return any driver suggestions during auto-scan.

**BIOS Version 0023 - SCCHTAX5.86A.0023.2016.0328.1333**

**About This Release:**

- Date: March 28, 2016
- TXE Firmware: 2.0.4.3100
- Framework BIOS Reference Code: Based on 2.80
- GOP Driver : 8.0.1037

**New Fixes/Features:**

- Fixed issue with Bluetooth\* keyboards.
- Enabled C States.
- Updated BIOS to allow system to boot normally if a .BIO file is not found using F4 recovery path.
- Updated processor support.
- Fixed issue where TXE error message appears at end of POST.
- Fixed issue with selecting items when prompted to Save & Exit or Discard Changes & Exit.
- Fixed issue where certain eMMC storage fails in F4 BIOS Recovery.
- Updated TXE firmware to version 2.0.4.3100.

**BIOS Version 0019 - SCCHTAX5.86A.0019.2016.0113.1043**

**About This Release:**

- Date: January 13, 2016
- TXE Firmware: 2.0.2.3095
- Framework BIOS Reference Code: Based on 2.80
- GOP Driver : 8.0.1037

**New Fixes/Features:**

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- Fixed issue where the cursor sometimes lags in the BIOS Setup.
- Fixed issue on Windows 10 64-bit Operating Systems where Multi Phase Resume would fail.
- Added Bluetooth keyboard support.
- Fixed an issue where a device will not be seen via USB 3.0.
- Updated Processor support.
- Fixed an issue when selecting F2 via the power button menu, where the default setting of some items in BIOS Setup would change.
- Updated GOP to version 8.0.1037.
- Fixed an issue in the F7 menu where "unknown device" would display.
- Fixed an issue in the F7 menu where the USB device would disappear when "Refresh Media List" is selected.
- Fixed an issue where pressing the power button would behave like the enter key.
- Added a setup menu option so that "Wlan Dynamic Solution" can be selected.
- Added NTFS support.
- Updated TXE to version 2.0.2.3095
- Added an option for the Indonesia SKU to disallow the AC mode on the Intel wireless adapter.

<b>BIOS Version 0014 - SCCHTAX5.86A.0014.2015.1119.1410</b>
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**About This Release:**

- Date: November 19, 2015
- TXE Firmware: 2.0.2. 3094
- Framework BIOS Reference Code: Based on 2.60
- GOP Driver : 8.0.1035

**New Fixes/Features:**

- Initial production BIOS release

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