



BIOS Update Release Notes

PRODUCTS: DE3815TYKHE, DE3815TYBE (Standard BIOS)

NOTE:

This BIOS update is for Intel® NUC Kit DE3815TYHE with the following SA numbers: H27002-400, -401, -402, -404, and -404 and for Intel® NUC Board DE3815TYBE with the following AA numbers: H26998-401, -402, -403, -404, and -405.

BIOS Version 0069 - TYBYT10H.86A.0069.2020.0527.1625

About This Release:

- Date: May 27, 2020
- ROM Image Checksum: 0x3617
- ME Firmware: 1.0.2.1067
- Memory Reference Code: Based on 1.5.0
- Integrated Graphics:
 - Option ROM: 36.2.5 Build 3757
 - UEFI Driver: 7.2.1008
- AHCI Code: Based on 5.004_AHCI_02
- LAN Option ROM: 2.59
- Visual BIOS: 2.2.20

- Supported Flash Devices:

Macronix	MX25U6435FM2I-10G	8MB
Winbond	W25Q64FWSSIG	8MB

- Microcode Updates included in .ROM &. BIO Files:
 - M0C30673321.PDB
 - M0C30678829.PDB
 - M0130673326.PDB
 - M0130679902.PDB

New Fixes/Features:

- Updated BIOS code for security fixes.

BIOS Version 0068 - TYBYT10H.86A.0068.2019.1113.1732

About This Release:

- Date: Nov 13, 2019
- ROM Image Checksum: 0x1ACA
- ME Firmware: 1.0.2.1067
- Memory Reference Code: Based on 1.5.0
- Integrated Graphics:
 - Option ROM: 36.2.5 Build 3757
 - UEFI Driver: 7.2.1008
- AHCI Code: Based on 5.004_AHCI_02
- LAN Option ROM: 2.59
- Visual BIOS: 2.2.20

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

- Supported Flash Devices:

Macronix	MX25U6435FM2I-10G	8MB
Winbond	W25Q64FWSSIG	8MB
- Microcode Updates included in .ROM & .BIO Files:
 - M0C30673321.PDB
 - M0C30678829.PDB
 - M0130673326.PDB
 - M0130679902.PDB

New Fixes/Features:

- Updated BIOS code for security fixes.

BIOS Version 0067 - TYBYT10H.86A.0067.2019.0812.1101

About This Release:

- Date: August 12, 2019
- ROM Image Checksum: 0xF140
- ME Firmware: 1.0.2.1067
- Memory Reference Code: Based on 1.5.0
- Integrated Graphics:
 - Option ROM: 36.2.5 Build 3757
 - UEFI Driver: 7.2.1008
- AHCI Code: Based on 5.004_AHCI_02
- LAN Option ROM: 2.59
- Visual BIOS: 2.2.20
- Supported Flash Devices:

Macronix	MX25U6435FM2I-10G	8MB
Winbond	W25Q64FWSSIG	8MB
- Microcode Updates included in .ROM & .BIO Files:
 - M0C30673321.PDB
 - M0C30678829.PDB
 - M0130673326.PDB
 - M0130679902.PDB

New Fixes/Features:

- Updated BIOS code for security fixes.

BIOS Version 0066 - TYBYT10H.86A.0066.2019.0704.1818

About This Release:

- Date: July 4, 2019
- ROM Image Checksum: 0x478E
- ME Firmware: 1.0.2.1067
- Memory Reference Code: Based on 1.5.0
- Integrated Graphics:
 - Option ROM: 36.2.5 Build 3757
 - UEFI Driver: 7.2.1008
- AHCI Code: Based on 5.004_AHCI_02
- LAN Option ROM: 2.59
- Visual BIOS: 2.2.20
- Supported Flash Devices:

Macronix	MX25U6435FM2I-10G	8MB
Winbond	W25Q64FWSSIG	8MB
- Microcode Updates included in .ROM File:
 - M0C30673321.PDB

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

- M0C30678829.PDB
- M0130673326.PDB
- M0130679902.PDB
- Additional Microcode Updates included only in .BIO File:
 - M0C30673321.PDB
 - M0C30678829.PDB
 - M0130673326.PDB
 - M0130679902.PDB

New Fixes/Features:

- Updated BIOS code for security fixes.

BIOS Version 0065 - TYBYT10H.86A.0065.2019.0318.1153

About This Release:

- Date: March 18, 2019
- ME Firmware: 1.0.2.1067
- Memory Reference Code: Based on 1.5.0
- Integrated Graphics
 - Option ROM: 36.2.5 Build 3757
 - UEFI Driver: 7.2.1008
- AHCI Code: Based on 5.004_AHCI_02
- LAN Option ROM: 2.59
- Visual BIOS: 2.2.20

New Fixes/Features:

- Updated BIOS code for security fixes.

BIOS Version 0064 - TYBYT10H.86A.0064.2018.0531.1547

About This Release:

- Date: May 31, 2018
- ME Firmware: 1.0.2.1067
- Memory Reference Code: Based on 1.5.0
- Integrated Graphics
 - o Option ROM: 36.2.5 Build 3757
 - o UEFI Driver: 7.2.1008
- AHCI Code: Based on 5.004_AHCI_02
- LAN Option ROM: 2.59
- Visual BIOS: 2.2.20

New Fixes/Features:

- Security enhancements.

BIOS Version 0063 - TYBYT10H.86A.0063.2018.0226.1511

About This Release:

- Date: February 26, 2018
- ME Firmware: 1.0.2.1067
- Memory Reference Code: Based on 1.5.0
- Integrated Graphics
 - o Option ROM: 36.2.5 Build 3757
 - o UEFI Driver: 7.2.1008
- AHCI Code: Based on 5.004_AHCI_02
- LAN Option ROM: 2.59

- Visual BIOS: 2.2.20

New Fixes/Features:

- Updated CPU Microcode (Security Advisory-00088)

BIOS Version 0062 - TYBYT10H.86A.0062.2018.0109.1037

About This Release:

- Date: January 9, 2018
- ME Firmware: 1.0.2.1067
- Memory Reference Code: Based on 1.5.0
- Integrated Graphics:
 - Option ROM: 36.2.5 Build 3757
 - UEFI Driver: 7.2.1008
- AHCI Code: Based on 5.004_AHCI_02
- LAN Option ROM: 2.59
- Visual BIOS: 2.2.20

New Fixes/Features:

- Fixed issue where SMBIOS information wasn't displayed correctly using WMI.

BOIS Version 0061 - TYBYT10H.86A.0061.2017.1011.1904

About This Release:

- Date: October 11, 2017
- ME Firmware: 1.0.2.1067
- Memory Reference Code: Based on 1.5.0
- Integrated Graphics
 - Option ROM: 36.2.5 Build 3757
 - UEFI Driver: 7.2.1008
- AHCI Code: Based on 5.004_AHCI_02
- LAN Option ROM: 2.59
- Visual BIOS: 2.2.20

New Fixes/Features:

- Add the setup option "Allow UEFI Third Party Driver loaded".
- Set BIOS lock always enabled per Issue#317952 BIOS write protect.
- Added Flash SMI support.
- Due to a security enhancement, it will not be possible to go to any BIOS earlier than BIOS 0061.
- Added BIOS protection for security enhancement.

BIOS Version 0060 - TYBYT10H.86A.0060.2017.0517.1042

About This Release:

- Date: May 17, 2017
- ME Firmware: 1.0.2.1067
- Memory Reference Code: Based on 1.5.0
- Integrated Graphics
 - Option ROM: 36.2.5 Build 3757
 - UEFI Driver: 7.2.1008
- AHCI Code: Based on 5.004_AHCI_02
- LAN Option ROM: 2.59

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

- Visual BIOS: 2.2.20

New Fixes/Features:

- Security enhancements.
- Fixed an issue where a BIOS hotkey would still work during boot, after enabling "Fast Boot".
- Fixed issue where USB keyboard or mouse can't wake up system from S5.

BIOS Version 0058 - TYBYT10H.86A.0058.2017.0329.2016

About This Release:

- Date: March 29, 2017
- ME Firmware: 1.0.2.1067
- Memory Reference Code: Based on 1.5.0
- Integrated Graphics
 - Option ROM: 36.2.5 Build 3757
 - UEFI Driver: 7.2.1008
- AHCI Code: Based on 5.004_AHCI_02
- LAN Option ROM: 2.59
- Visual BIOS: 2.2.20

New Fixes/Features:

- Added warning message if flashing the incorrect BIOS string.
- Security enhancements.

BIOS Version 0054 - TYBYT10H.86A.0054.2016.0929.1501

About This Release:

- Date: September 29, 2016
- TXE Firmware: 1.0.2.1067
- Framework BIOS Reference Code: Based on 1.5.0
- Integrated Graphics
 - Option ROM: 36.2.5 Build 3757
 - GOP Driver: 7.2.1008
- LAN
 - UEFI Driver: 2.0.26
- Visual BIOS: 2.2.20
- UEFI Revision: 2.3.1

New Fixes/Features:

- Security enhancements.

BIOS Version 0052 - TYBYT10H.86A.0052.2016.0822.1911

About This Release:

- Date: August 22, 2016
- TXE Firmware: 1.0.2.1067
- Framework BIOS Reference Code: Based on 1.5.0
- Integrated Graphics
 - Option ROM: 36.2.5 Build 3757
 - GOP Driver: 7.2.1008
- LAN

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

UEFI Driver: 2.0.26

- Visual BIOS: 2.2.20
- UEFI Revision: 2.3.1

New Fixes/Features:

- Added auto recovery function by USB key feature.
- Added security enhancements.
- Fixed an issue where executing a reboot or shutdown - r command in Linux, the system would hang.
- Fixed the issue that when the user entered their password, and the "User Access Level = limited" the following restricted Setup options were still accessible:
 - 2.1 Minimum/Maximum Duty Cycle (%)
 - 2.2 2.2 Primary/secondary Temperature Sensor
 - 2.3 Pin 11/12/13/14/15/16
- Rolled back the TXE firmware from 1.0.5.1120 to 1.0.2.1067.
- Added G3 Power button recovery feature.
- Improved BIOS update function to disable keyboard and power button during flash/recovery process.
- Added Windows firmware update function.

Update Visual BIOS to 2.2.20 from 2.2.19.

- Hotfix to remove download driver and automatic BIOS update feature.
- Network capabilities will only work over LAN at this time.
- Opening a dropdown and changing screens can sometimes causes dropdown view to persist until an option is selected. This is a cosmetic error.

BIOS Version - TYBYT10H.86A.0049.2016.0413.1649

About This Release:

- Date: April 13, 2016
- TXE Firmware: 1.0.5.1120
- Framework BIOS Reference Code: Based on 1.5.0
- Integrated Graphics
 - Option ROM: 36.2.5 Build 3757
 - GOP Driver: 7.2.1008
- LAN
 - UEFI Driver: 2.0.26
- Visual BIOS: 2.2.19
- UEFI Revision: 2.3.1

New Fixes/Features:

- Fixed the wrong OS selection option to follow spec.
- Fixed the issue where the OS selection can't be modified by ITK.
- Fixed the issue where VCUST would not work in DOS.
- Removed the "Pin function select for serial port header" section from the Legacy device configuration page.
- Fixed the issue where the computer that installs Wind River Linux can no longer use Putty to remote in to the Wind River system.

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

- Fixed the issue where the system can't resume from S3 in Windows 7 after updating the AmiModulePkg to 026 to support Secure Boot when PXE booting.
- Removed the mention of pin10 as GPIO, and the help string "Direct Application Launch feature".
- Removed the serial header from GPIO options.
- Updated Secure Boot to 014 so PXE boot can support Secure Boot
- Updated AmiModulePkg to 026 so PXE boot can support Secure Boot.

BIOS Version 0046 - TYBYT10H.86A.0046.2015.1014.1057

About This Release:

- Date: October 14, 2015
- TXE Firmware: 1.0.5.1120
- Framework BIOS Reference Code: Based on 1.5.0
- Integrated Graphics
 - Option ROM: 36.2.5 Build 3757
 - GOP Driver: 7.2.1008
- LAN
 - UEFI Driver: 2.0.26
- Visual BIOS: 2.2.19
- UEFI Revision: 2.3.1

New Fixes/Features:

- Fixed poor performance issue that occurs after resuming from S3.
- Updated custom header solution setting.
- Fixed issue where monitor remains in sleep state after S3 wakeup from USB keyboard or mouse.
- Fixed issue where system does not wake from S3/S4 with RTV, when Wake from S5 is enabled.
- Fixed issue where a single CPU Thermal trip event is recorded twice in the event log.
- Changed the OS selection in BIOS from Windows 8.x to Windows 8.x/Windows10.
- Updated Intel Visual BIOS to version 2.2.19. Fixes include:
 - o Hotfix to remove performance page accessibility from Atom-based NUC products.
 - o Refactored graphics resolution algorithm to find closest supported resolution to 1024x768. This should correct scaling issues with 4K monitors.
 - o Removed unused assets from Performance and Mainstream themes to reduce the overall size of Visual BIOS. Size savings should be around 300KB.
 - o Fixed issue in Download Drivers feature where certain drivers were not visible if multiple attachments exist in the same record.
 - o Fixed issue in Download Drivers feature where incorrect drivers would display if product was not found in database.
 - o Fixed issue in Performance page that prevented additional workspaces from showing up (i.e. Memory Timings, etc.)
 - o Fixed touch monitors not working correctly when display adapter supports greater than 1024x768 resolution.
 - o Fixed AMT USB-R issue where absolute mouse position would not scale correctly in Visual BIOS.
- Fixed issue where USB ports fail in Linux* after upgrading to BIOS version 0040.

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

- Fixed issue where one of GPIO controllers is missing in Yocato* image.

TYBYT10H.86A.0044.2015.0701.1138 Production BIOS

About This Release:

- Date: July 01, 2015
- TXE Firmware: 1.0.5.1120
- Framework BIOS Reference Code: Based on 1.5.0
- Integrated Graphics
 - Option ROM: 36.2.5 Build 3757
 - GOP Driver: 7.2.1008
- LAN
 - UEFI Driver: 2.0.26
- Visual BIOS: 2.2.13
- UEFI Revision: 2.3.1

New Fixes/Features:

1. Updated BIOS Reference Code to version 1.5.0
2. Implemented security enhancement solution.
3. Fixed issue with SDRAM/+5.0V Standby value detection.
4. Fixed issue with unattended BIOS configuration.

BIOS Version 0043 - TYBYT10H.86A.0043.2015.0323.1643

About This Release:

- Date: March 23, 2015
- TXE Firmware: 1.0.5.1120
- Framework BIOS Reference Code: Based on 1.3.8
- Integrated Graphics
 - Option ROM: 36.2.5 Build 3757
 - GOP Driver: 7.2.1008
- LAN
 - UEFI Driver: 2.0.26
- Visual BIOS: 2.2.13
- UEFI Revision: 2.3.1

New Fixes/Features:

- Added BIOS security enhancements.
- Fixed issue where BIOS password prompts are not suppressed in Config Mode.
- Fixed issue with Power LED not blinking when the Thermal Trip warning is generated.
- Fixed issue where USB mouse doesn't work in DOS EDIT.
- Removed BIOS option to disable HDMI/DisplayPort Audio.
- Fixed Power Button Recovery issue under G3 mode.
- Fixed BIOSID issue under F7.
- Fixed issue where incorrect thermal event appears in the Event Log and shows a warning message during boot.
- Added "Suppress Alert Messages At Boot" item in Visual BIOS.

BIOS Version 0041 - TYBYT10H.86A.0041.2014.1224.1255

About This Release:

- Date: December 24, 2014

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

- TXE Firmware: 1.0.5.1120
- Framework BIOS Reference Code: Based on 1.3.8
- Integrated Graphics
 - Option ROM: 36.2.5 Build 3757
 - GOP Driver: 7.2.1008
- LAN
 - UEFI Driver: 2.0.26
- Visual BIOS: 2.2.13
- UEFI Revision: 2.3.1

New Fixes/Features:

- Fixed issue with the Configure menu with the security jumper.

BIOS Version 0039 - TYBYT10H.86A.0039.2014.1211.1744

About This Release:

- Date: December 11, 2014
- TXE Firmware: 1.0.5.1120
- Framework BIOS Reference Code: Based on 1.3.8
- Integrated Graphics
 - Option ROM: 36.2.5 Build 3757
 - GOP Driver: 7.2.1008
- LAN
 - UEFI Driver: 2.0.26
- Visual BIOS: 2.2.13
- UEFI Revision: 2.3.1

New Fixes/Features:

- Fixed USB communications failure with certain custom USB devices.

BIOS Version 0037 - TYBYT10H.86A.0037.2014.1120.1742

About This Release:

- Date: November 20, 2014
- TXE Firmware: 1.0.5.1120
- Framework BIOS Reference Code: Based on 1.3.8
- Integrated Graphics
 - Option ROM: 36.2.5 Build 3757
 - GOP Driver: 7.2.1008
- LAN
 - UEFI Driver: 2.0.26
- Visual BIOS: 2.2.13
- UEFI Revision: 2.3.1

New Fixes/Features:

- Fixed reboot hang and spurious messages in Linux*.
- Updated TXE FW to version 1.0.5.1120.
- Updated Visual BIOS to version 2.2.13. Fixes include:
 - Fixed password input so that only A-Z, a-z, and 0-9 characters are accepted.
 - Fixed issue in screenshot function that caused final bitmap to be tinted blue.
 - Fixed issue in double-click boot feature that did not allow BIOS to boot to the correct device.
 - Fixed issue graphical error in dropdown box.

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

- Fixed hang on NUC Home Page 1 and Cooling Page when temp or voltage form contained no questions.
- Added variable check to determine whether or not to perform OS check before starting Visual Boot Manager.
- Fixed logic that caused beta opt-in request to keep popping up.
- Fixed various GUI issues.
- Fixed missing temperatures and voltages in cooling performance monitor.
- Fixed variable flags for OsIndications and BootNext to conform to strict UEFI 2.4 requirements.

BIOS Version 0036 - TYBYT10H.86A.0036.2014.1023.1022

About This Release:

- Date: October 23, 2014
- TXE Firmware: 1.0.2.1067
- Framework BIOS Reference Code: Based on 1.3.8
- Integrated Graphics
 - Option ROM: 36.2.5 Build 3757
 - GOP Driver: 7.2.1008
- LAN
 - UEFI Driver: 2.0.26
- Visual BIOS: 2.2.8
- UEFI Revision: 2.3.1

New Fixes/Features:

- Fixed WHCK issues for Windows 7*.
- Added BIOS options:
 - S5 USB Power
 - Internal speaker
 - 4GB eMMC Built-in Storage
- Fixed issue with power button menu.
- Fixed issue where F10 boot menu shows incorrect information.
- Fixed issue where ACPI error appears in Event Log after installing the USB3.0 driver.
- Updated processor support.
- Updated GOP driver to version 7.2.1008.

BIOS Version 0034 - TYBYT10H.86A.0034.2014.0905.1747

About This Release:

- Date: September 5, 2014
- TXE Firmware: 1.0.2.1067
- Framework BIOS Reference Code: Based on 1.3.8
- Integrated Graphics
 - Option ROM: 36.2.5 Build 3757
 - GOP Driver: 7.2.1004
- LAN
 - UEFI Driver: 2.0.26
- Visual BIOS: 2.2.8
- UEFI Revision: 2.3.1

New Fixes/Features:

- Fixed issue where performance is slow and sluggish.

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

BIOS Version 0032 - TYBYT10H.86A.0032.2014.0814.1913

About This Release:

- Date: August 14, 2014
- TXE Firmware: 1.0.2.1067
- Framework BIOS Reference Code: Based on 1.3.8
- Integrated Graphics
 - Option ROM: 36.2.5 Build 3757
 - GOP Driver: 7.2.1004
- LAN
 - UEFI Driver: 2.0.26
- Visual BIOS: 2.2.8
- UEFI Revision: 2.3.1

New Fixes/Features:

- Speeded up BIOS update process - if Intel® ME version has not changed, that segment is skipped during update.
- Fixed issue where system does not boot or memory size is reported incorrectly with some SO-DIMM memory modules.
- Updated message when no bootable device is found.
- Add iSCSI feature.
- Updated Visual BIOS to version 2.2.8. Fixes include:
 - Fixed issue where Default BIOS Start Page would not show properly when selecting home pages.
 - Fixed hang when saving file using screenshot feature.
 - Fixed erroneous notification text when file save feature failed.
- Fixed issue where system gets stuck in reboot cycle after BIOS update.

BIOS Version 0030 - TYBYT10H.86A.0030.2014.0710.1012

About This Release:

- Date: July 10, 2014
- TXE Firmware: 1.0.2.1067
- Framework BIOS Reference Code: Based on 1.3.8
- Integrated Graphics
 - Option ROM: 36.2.5 Build 3757
 - GOP Driver: 7.2.1004
- LAN
 - UEFI Driver: 2.0.26
- Visual BIOS: 2.2.7
- UEFI Revision: 2.3.1

New Fixes/Features:

- Updated AMI build tool (VEB) to the latest version for OA3 and ITK issues.
- Fixed HSUART device issue.
- Fixed issue where Windows Embedded Standard 7* fails in IDE mode.
- Fixed Windows 8 LPSS driver issues:
 - Set ACPI mode for Embedded Windows 8 in OS Selection
 - Remove the declaration of serial interface BT and GPS
- Updated VBIOS to version 36.2.5 Build 3757 and GOP to version 7.2.1004.
- Added Direct App Launch support.

- Updated Visual BIOS to version 2.2.7. Fixes include:
 - Fixed issue that caused startup hang when Default Start Page was set to Main Page.
 - Re-architected HTTP client in Visual BIOS to support network behind an HTTP proxy (i.e. corporate firewall) and handle network instability issues.
 - Updated performance pages to support simplified needs of NUC products going forward.
 - Fixed issue on settings page where NUC Atom theme was not an available option.
 - Fixed issue where default theme was not NUC theme if theme could not be determined.
 - Fixed issue where driver download feature could not be used after closing the modal and re-entering the modal.
- Fixed issue where Intel wireless adapters lose connectivity.
- Fixed issue where operating system installation fails with Intel 530 series SSD.

BIOS Version 0024 - TYBYT10H.86A.0024.2014.0523.1509

About This Release:

- Date: May 23, 2014
- TXE Firmware: 1.0.2.1067
- Framework BIOS Reference Code: Based on 1.3.6
- Integrated Graphics
 - Option ROM: Build#3698
 - GOP Driver: 7.1.1007
- LAN
 - UEFI Driver: 2.0.26
- Visual BIOS: 2.2.5
- UEFI Revision: 2.3.1

New Fixes/Features:

- Fixed issue where system cannot enter S3 in Windows Embedded Standard 7*.
- Enhanced the protection of certain UEFI variables as described in Intel Security Advisory INTEL-SA-00038.
- Fixed Intel ME disable issue.
- Fixed issue where fan speed, temperature, and voltage are not reported in BIOS after modifying duty cycles.
- Fixed issue with BIOS password lengths.
- Updated 4GB eMMC built-in storage option.
- Fixed issue where the monitor will not display after S3 resume by USB keyboard/mouse or power button.
- Fixed issue where TXE test fails.
- Fixed issue where .BMP splash logo files do not display.
- Fixed issue where no error beeps or blinks occur when no memory modules are installed.
- Fixed issues with Wake on USB from S4/S5.
- Fixed issue where system will hang at POST code B2 when Startup Sound is enabled.
- Fixed issue where system hangs at POST code 71 after S3 resume.
- Modified default values associated with OS Selection options.
 - Windows 8.x - xHCI mode is enabled

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

- o Windows 7 - xHCI mode is set to "smart auto"; Legacy Boot is enabled and greyed out; Wake on USB from S4/S5 is disabled and greyed out
- Updated Visual BIOS to version 2.2.5. Fixes include:
 - o Fixed issue where add-in config forms were unable to post changes to the setup browser.
 - o Fixed issue with touch input that ignored the first touch state upon starting the application.
- Added Wake on USB from S4/S5 option.
- Fixed issue where system wakes up if USB hot-plugging in S5 state.
- Fixed issue where BIOS auto-update feature fails.
- Updated fan speed control.
- Added OS Selection option in Intel® Integrator Toolkit.
- Updated help text for OS Selection and USB Port.
- Added Serial Port option under Onboard Device tab.
- Fixed fan speed issue when resuming from S3.
- Fixed issue with disabling USB ports.
- Fixed issue where Wake on LAN from S4/S5 fails to Power on from PXE Boot.
- Fixed issue with On Board Devices Information related to auto-detection for WiFi
- Fixed issue with clearing TPM.

BIOS Version 0019 - TYBYT10H.86A.0019.2014.0327.1516

About This Release:

- Date: March 27, 2014
- TXE Firmware: 1.0.2.1067
- Framework BIOS Reference Code: Based on 1.3.4
- Integrated Graphics
 - Option ROM: Build#3698
 - GOP Driver: 7.1.1007
- LAN
 - UEFI Driver: 2.0.26
- Visual BIOS: 2.2.4
- UEFI Revision: 2.3.1

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

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

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, life saving, 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) 2014 Intel Corporation.