BIOS Update Release Notes

PRODUCTS: DH77EB (Standard BIOS)

BIOS Version 0097 - EBH7710H.86A.0097.2012.1031.0934

About This Release:

- Date: October 12, 2012
- ME Firmware: 8.1.2.1318
- Integrated Graphics Option ROM: Build 2143 PC 14.34
- SATA RAID Option ROM: v11.6.0.1702
- LAN Option ROM: v1403 PXE 2.1 Build 090
- Visual BIOS: 1.2.2

New Fixes/Features:

- Removed “Generate New Platform Key” question in setup.
- Updated Visual BIOS to version 1.2.2.
- Updated Lucid* Universal MVP keys.

BIOS Version 0096 - EBH7710H.86A.0096.2012.1012.1645

About This Release:

- Date: October 12, 2012
- ME Firmware: 8.1.2.1318
- Integrated Graphics Option ROM: Build 2143 PC 14.34
- SATA RAID Option ROM: v11.6.0.1702
- LAN Option ROM: v1403 PXE 2.1 Build 090
- Visual BIOS: 1.2.1

New Fixes/Features:

- Updated VBIOS to version 2143.
- Updated Visual BIOS to version 1.2.1.
- Fixed issue with MSFT KEK* leaf certificate expiration.
- Updated processor support.
- Updated Intel® ME 8 firmware to version 8.1.2.1318.
- Updated RAID Option ROM to version 11.6.0.1702.
- Fixed issue with LAN packet drop.
- Fixed issue where system does not recognize TV tuner cards.
- Fixed issue where certain keyboards and mice are not detected during boot.
- Fixed issue where memory multiplier cannot restore to default when setting XMP Profile to automatic or loading default setting.

BIOS Version 0093 - EBH7710H.86A.0093.2012.0905.1634

About This Release:

- Date: September 5, 2012
- ME Firmware: 8.0.13.1502
- Integrated Graphics Option ROM: Build 2132 PC 14.34

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- SATA RAID Option ROM: v11.1.0.1413
- LAN Option ROM: v1381 PXE 2.1 Build 090
- Visual BIOS: 1.0.8

New Fixes/Features:

- Fixed WHCK* security boot issue.
- Fixed issue where "Boot USB Devices First" fails.
- Fixed issue with F7 flash update method when USB device is created by Microsoft Windows* DVD download tool.
- Fix issue where power button recovery causes flash update failure event.
- Added special handle for UEFI Linux* boot options.
- Updated secure boot failure behavior.
- Updated boot order with legacy boot disabled.
- Fixed issue where disabling USB port causes long boot time.
- Added Windows 8* logo support.

BIOS Version 0089 - EBH7710H.86A.0089.2012.0809.1606

About This Release:

- Date: August 9, 2012
- ME Firmware: 8.0.13.1502
- Integrated Graphics Option ROM: Build 2132 PC 14.34
- SATA RAID Option ROM: v11.1.0.1413
- LAN Option ROM: v1381 PXE 2.1 Build 090

New Fixes/Features:

- Added SMI Lock.
- Fixed issue where default value of memory voltage for Proposed and Active column on the Performance page is not correct.
- Fixed issue where hardware monitor memory voltage value is incorrect.
- Fixed issue for SMBIOS entry location for legacy SMBIOS tools in Window 8* without CSM loaded.
- Added code to handle UEFI PXE Boot Options.
- Changed the method of filtering UEFI boot devices.
- Fixed issue where there is insufficient space to build .BIO file.
- Improved back-to-BIOS mode.
- Added code to update Runtime service table CRC32 value to pass WHCK test.
- Updated BIOS to display security violation message when secure boot fails.
- Modified setup to let UEFI Boot options reference Boot Order variable.
- Updated USB drive boot order option tag priority.
- Fixed issue where duplicate Boot Manager options can display.
- Added SLP1.0 support when SMBIOS Type1/offset4 is updated by ITK5 tools.
- Fixed multiple issues in fan speed control configuration related to voltage sensor multipliers and fan sensors.
- Added support for BGRT.
- Updated setup to handle CSM disable environment.
- Updated Intel® ME firmware to version 8.0.13.1502.
- Fixed reboot issue with USB keyboards.

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- Fixed issue where pressing the ENTER key can downgrade BIOS when only the Supervisor Password is installed.
- Fixed issue with missing boot device in boot order when changing a hard drive to another port.
- Fixed issue where BIOS Recovery will record "Flash Update Failed" error on the Event log.
- Updated setup to create UEFI Boot Options if Hard drive already has UEFI operating system installed.
- Fixed issue where you cannot continuously type in special characters with Shift key in setup.
- Updated setup to hide supervisor password item when user enters setup.
- Updated BIOS to allow special characters for passwords.
- Updated processor support.

BIOS Version 0075 - EBH7710H.86A.0075.2012.0521.1400

About This Release:

- Date: May 21, 2012
- ME Firmware: 8.0.10.1464
- Integrated Graphics Option ROM: Build 2132 PC 14.34
- SATA RAID Option ROM: v11.1.0.1413
- LAN Option ROM: v1381 PXE 2.1 Build 090

New Fixes/Features:

- Fixed issue where Standby LED blinks when Power off and Rapid Start is enabled.
- Fixed issue where Intel® Desktop Utilities will not open.
- Fixed issue with BIOS defaults and Maintenance mode.
- Fixed issue where operating system installation fails with UEFI.
- Fixed issue with UEFI OS boot option under RAID mode with no input device connected.

BIOS Version 0071 - EBH7710H.86A.0071.2012.0426.1942

About This Release:

- Date: April 26, 2012
- ME Firmware: 8.0.10.1464
- Integrated Graphics Option ROM: Build 2132 PC 14.34
- SATA RAID Option ROM: v11.1.0.1413
- LAN Option ROM: v1381 PXE 2.1 Build 090

New Fixes/Features:

- Updated fan speed control for primary and secondary temperature controls.
- Updated USB 3.0 pin-outs.
- Updated Intel® ME 8 firmware to version 8.0.10.1464.
- Updated processor support.
- Fixed issue with PXE Option ROM.
- Fixed issue where mouse does not work in BIOS setup.
- Fixed Intel Graphic Analyzer default value.
- Fixed issue where fan speed control does not work correctly after S3 resume.
- Fixed issue with fan at full speed when updating from BIOS version 0053 or earlier.

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- Fixed issue where USB 3.0 port is detected when set to **No Detect** in BIOS.
- Fixed issue where Intel® Graphics Performance Analyzers option is now available in BIOS setup.
- Updated to display POST prompts when Video Optimization is enabled.
- Fixed issue with IFFS reset behavior.
- Disabled reset setup to default value when setup default is changed.
- Updated to allow special characters in password strings.
- Updated to keep SATA Mode settings when SATA mode is set to RAID.

BIOS Version 0062 - EBH7710H.86A.0062.2012.0322.1914

About This Release:

- Date: March 29, 2012
- ME Firmware: 8.0.3.1427
- Integrated Graphics Option ROM: Build 2132 PC 14.34
- SATA RAID Option ROM: v11.1.0.1413
- LAN Option ROM: v1381 PXE 2.1 Build 090

New Fixes/Features:

- Fixed issue where system shows “Restore Fast Boot” message when reducing memory.
- Fixed issue where USB is not enabled when Fast Boot’s USB Optimization is enabled and a chassis intrusion event occurs.
- Updated processor support.
- Fixed issue with Fast Boot video optimization.
- Fixes for Intel® Integrator Toolkit:
  - Modified ordered list are not reflected in BIOS setup.
  - Express BIOS Update error message is displayed when booting after customizing BIOS.
  - Customized logo is displayed in the BIOS splash screen even though the “Update image when installing BIOS” checkbox was not selected.
  - Performance settings are populated in the Settings pane under ‘Performance’ node.
  - Unable to modify any SMBIOS field values which were already installed/displayed in BIOS setup page.
  - ITK GUI will not populate settings pane in first boot after flashing ROM image file.
  - Customizations will not process on Windows x64* with more than 4GB memory installed.
- Updated BIOS to set Chipset SATA option to RAID mode by default.
- Fixed issue where BIOS reports "overwrite existing BIOS profile(Y,N)" if using different name in some format to save BIOS profile.
- Fixed issue where Recovery BIOS fails from USB 2.0/3.0 mass storage device.
- Fixed issue where setting "Primary Video Adaptor" to manual, and put IGD to first priority, but SUT still output to PEG as first priority.
- Updated VBIOS to version 2132.
- Updated RAID option ROM to version 11.1.0.1413.
- Fixed issue where the value in "Maximum Duty Cycle" can be set lower than "Minimum Duty Cycle".

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- Fixed issue where the options of "Fan Control & Real-Time Monitoring" and "User Access Level" still can be changed when the "User Access Level" is in "Limited" state
- Fixed issue where "Set master key HDD password" item is greyed out after setting a hard disk drive password.
- Fixed issue where UEFI does not work correctly.
- Updated Intel® ME firmware to version 8.0.3.1427.
- Fixed issue where there is no "Native ACPI OS PCIe Support" in BIOS Setup power menu.
- Fixed issue where "USB Optimization" option doesn't Grey out and set to Disable when User Hard Drive Password is installed.
- Fixed issue where two UEFI optical drives appear but only one of them can be booted under UEFI boot mode.
- Updated processor support.
- Fixed issue where onboard video output is not available when "Integrated Graphics Device" value is "Always Enable" and the first sequence is add-in graphic card, and the second sequence is IGD in "Detected Video Device Priority" list.
- Fixed issue where SATA 3.0 hard drive speed changes to SATA 2.0 speed when in RAID mode in BIOS.
- Fixed issue where keyboard and mouse connected to USB 3.0 ports do not work.
- Fixed issue where system only can detect six USB devices in BIOS when inserting 12 USB devices to USB ports.
- Fixed issue where PCI/PCIe Add-In Slots do not read registers correctly.
- Fixed issue where startup sound only plays on rear speaker.

BIOS Version 0053 - EBH7710H.86A.0053.2012.0213.1543

About This Release:

- Date: February 13, 2012
- ME Firmware: 8.0.1.1399
- Integrated Graphics Option ROM: Build 2130 PC 14.34
- SATA RAID Option ROM: v11.0.0.1339
- LAN Option ROM: v1381 PXE 2.1 Build 090

New Fixes/Features:

- Initial production BIOS release

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