BIOS Update Release Notes

PRODUCTS: DH61BE, DH61CR, DH61DL, DH61WW, DH61SA, DH61ZE (Standard BIOS)

BIOS Version 0044 - BEH6110H.86A.0044.2012.0531.1710

About This Release:

- Date: May 31, 2012
- ME Firmware: Ignition SKU 7.1.40.1161, 8.0.4.1441
- Integrated Graphics Option ROM: Build 2132 PC 14.34(DH61BE, DH61CR, DH61WW,DH61SA)
- Integrated Graphics Option ROM: Build 2132 PC 14.34(DH61DL)
- Integrated Graphics Option ROM: Build 2132 PC 14.34(DH61ZE)
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.81 PXE 2.1 Build 091

New Fixes/Features:

- Fixed blue screen error when resuming from sleep mode when using Marvell* SATA port.
- Updated Intel® ME 8 firmware version to 8.0.4.1441.
- Updated Intel® ME 7 firmware version to 7.1.40.1161.
- Update VBIOS to version 2132.
- Updated processor support.
- Fixed issue where PCI recovery card does not work.
- Fixed turbo boost and memory timing frequency issues.
- Added Dolby* function.

BIOS Version 0042 - BEH6110H.86A.0042.2012.0327.2202

About This Release:

- Date: March 27, 2012
- ME Firmware: Ignition SKU 7.1.30.1142, 8.0.0.1294
- Integrated Graphics Option ROM: Build 2119 PC 14.34(DH61BE, DH61CR, DH61WW,DH61SA)
- Integrated Graphics Option ROM: Build 2119 PC 14.34(DH61DL)
- Integrated Graphics Option ROM: Build 2119 PC 14.34(DH61ZE)
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.81 PXE 2.1 Build 091

New Fixes/Features:

- Fixed issue where system hangs at POST code 50 when wireless LAN card is reset by power bottom.

BIOS Version 0041 - BEH6110H.86A.0041.2012.0319.1659

About This Release:

- Date: March 19, 2012
- ME Firmware: Ignition SKU 7.1.30.1142, 8.0.0.1294

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

- Integrated Graphics Option ROM: Build 2119 PC 14.34(DH61BE, DH61CR, DH61WW,DH61SA)
- Integrated Graphics Option ROM: Build 2119 PC 14.34(DH61DL)
- Integrated Graphics Option ROM: Build 2119 PC 14.34(DH61ZE)
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.81 PXE 2.1 Build 091

Warning:
BIOS version 0041 includes support for future 22nm processors. Due to structural changes in this BIOS version, once a board has been converted to this version or later, it will no longer be possible to downgrade the BIOS to version 0035 or earlier. Attempting a BIOS downgrade to a previous version may fail – the board BIOS will remain at its current version.

To fully enable support for future processors, follow the special BIOS update steps at Updating the BIOS on 6 Series chipset desktop boards.

New Fixes/Features:

- Fixed issue where integrated LAN shows an error in Device Manager* when certain graphics card is installed.
- Fixed issue where dual channel memory mode is not detected properly.
- Fixed issue with DIMM module compatibility that causes an operating system installation issue.
- Fixed issue where system does not boot when “Memory Configuration” is set to “Manual – User Defined”.
- Updated processor support.
- Updated LAN option ROM to version 1381.
- Added DDR3 low voltage DIMM module support.
- Disabled Keyboard not found event logging.
- Added support for Intel power supervisor.
- Updated Intel® ME firmware to versions 7.1.30.1142 and 8.0.0.1294.
- Removed the fix for system hang with blue screen error when resuming from Sleep Mode on Marvell* SATA port (originally added in BIOS version 0035).

BIOS Version 0035 - BEH6110H.86A.0035.2012.0112.2206

About This Release:

- Date: January 12, 2012
- ME Firmware: Ignition SKU 7.1.20.1119
- Integrated Graphics Option ROM: Build 2119 PC 14.34(DH61BE, DH61CR, DH61WW,DH61SA)
- Integrated Graphics Option ROM: Build 2119 PC 14.34(DH61DL)
- Integrated Graphics Option ROM: Build 2119 PC 14.34(DH61ZE)
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.65 PXE 2.1 Build 089

New Fixes/Features:

- Fixed issue where system hangs with blue screen error when resuming from Sleep Mode on Marvell* SATA port.

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BIOS Version 0034 - BEH6110H.86A.0034.2011.1018.1937

About This Release:

- Date: October 18, 2011
- ME Firmware: Ignition SKU 7.1.20.1119
- Integrated Graphics Option ROM: Build 2119 PC 14.34(DH61BE, DH61CR, DH61WW,DH61SA)
- Integrated Graphics Option ROM: Build 2119 PC 14.34(DH61DL)
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.65 PXE 2.1 Build 089

New Fixes/Features:

- Updated processor support.
- Fixed issue where BIOS system fails after updating to BIOS version 0032 on DH61DL.
- Fixed issue with the OA 2.1 validation process.
- Fixed issue where certain optical drive is not detected.
- Fixed issue where no video is displayed when certain PCIe card is installed.
- Added support for Microsoft* OEM Activation 3.0.
- Updated VBIOS to version 2119.
- Updated Intel® ME firmware to version 7.1.20.1119.
- Fixed issue where SATA optical drives do not display in BIOS if connected to a Marvell* SATA port.

BIOS Version 0028 - BEH6110H.86A.0028.2011.0715.1815

About This Release:

- Date: July 15, 2011
- ME Firmware: Ignition SKU 7.1.13.1088
- Integrated Graphics Option ROM: Build 2117 PC 14.34(DH61BE, DH61CR, DH61WW,DH61SA)
- Integrated Graphics Option ROM: Build 2111 PC 14.34(DH61DL)
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.65 PXE 2.1 Build 089

New Fixes/Features:

- Fixed issue where there are no active and default values under Fan control & Real-time monitoring page.
- Fixed issue where there is no “Ext PCI Graphics” option listed under primary video adapter.
- Fixed issue where the value of host clock frequency still can be changed with limited or view only level.
- Fixed issue where the characters for the selected slot did not change from “=” to “X” under help illustration of the motherboard.
- Fixed issue where the information of ACPI Table is incorrect.
- Fixed issue where SMBIOS Structures for type 9 is incorrect.
- Fixed issue where system does not detect SATA 3.0 HDD when changing IDE/AHCI mode for DH61BE.
- Changed SVID 200C8086 for Marvell chip.
- Modified SATA layout SATA 0 and SATA 1 for DH61DL.
- Modified help text of item “Chipset SATA” in BIOS setup menu.
- Modified help text of item “Secondary SATA” in BIOS setup menu.

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- Modified help text of item “Secondary SATA mode” in BIOS setup menu.
- Added the option for AHCI in the Secondary SATA Mode in BIOS setup menu.
- Updated processor support.
- Fixed issue where when hiding FSC Fan configuration settings through Intel® Integrator Toolkit, the respective settings are locked in BIOS instead of hidden.
- Changed the Bank Locator as “Channel A DIMM 0”, “Channel A DIMM 1”, “Channel B DIMM 0”.

BIOS Version 0023 - BEH6110H.86A.0023.2011.0524.1826

About This Release:

- May 24, 2011
- ME Firmware: Ignition SKU 7.1.13.1088
- Integrated Graphics Option ROM: Build 2111 PC 14.34(DH61BE, DH61CR, DH61WW)
- Integrated Graphics Option ROM: Build 2111 PC 14.34(DH61DL)
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.65 PXE 2.1 Build 089

New Fixes/Features:

- Updated Intel® ME firmware to version 7.1.13.1088.
- Updated processor support.
- Added Performance page
- Added Fast Boot function.
- Updated vBIOS to version 2111.
- Fixed issues with Intel® Desktop Utilities:
  - BIOS incorrectly calculating Tcontrol.
  - Processor temperature thresholds higher than TCC Assertion Temperature.
  - Voltage +3.3 Volt Standby in Hardware Monitor > Summary page is showing "out of range".
  - Memory Label Designation in IDU is still showing up in older format.
  - Memory Slots Designation values are incorrect.
- Fixed issue where PCIe x1 TV tuner card is not detected in x16 slot.
- Fixed issue with smart HDD function.
- Fixed issue where monitor wakes up by On-Board/PCIe/PCI LAN and RTC from S3.

BIOS Version 0020 - BEH6110H.86A.0020.2011.0218.1538

About This Release:

- February 18, 2011
- ME Firmware: Ignition SKU 7.0.3.1184
- Integrated Graphics Option ROM: Build 2098 PC 14.34(DH61BE, DH61CR, DH61WW)
- Integrated Graphics Option ROM: Build 2098 PC 14.34(DH61DL)
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.65 PXE 2.1 Build 089

New Fixes/Features:

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- Fixed issue where mini-PCIe card does not work in the operating system.
- Fixed issue where the no video detected error beeps occur after setting primary video adaptor to Ext PCIe graphics (PEG).
- Fixed deep S4/S5 issue.
- Fixed SSID/SVID issue.
- Fixed power on –PXE boot test failure.
- Fixed issue where the system powers on automatically from S5 after plugging mini PCIe LAN card into the mini PCIe slot.
- Fixed issue where Platform Controller Hub Temperature in Intel® Desktop Utilities (IDU) shows 0 Celsius after the system wakes from sleep state.
- Fixed issue where a USB keyboard can't enter BIOS when USB port is disabled in BIOS.
- Removed Trusted Platform Module settings from BIOS for DH61DL.
- Removed PCI Latency Timer settings from BIOS for DH61DL.
- Fixed chassis intrusion functionality.
- Updated ME Firmware to version 7.0.3.1184.
- Fixed SMDXREF failure.
- Fixed information shown in IDU to match board hardware.
- Fixed issue with SMBIOS System Slot Information.
- Fixed issue where PCI device shows incorrectly in “PCI/PCIe Add-in slots” item.
- Removed RAID help text in BIOS setup menu.
- Modified max memory size 16G.
- Removed HDMI setting for DH61DL.
- Updated vbios version for DH61DL.
- Fixed PCIE information in BIOS setup menu for DH61DL.

BIOS Version 0016 - BEH6110H.86A.0016.2011.0118.1128

About This Release:

- January 18, 2011
- ME Firmware: Ignition SKU 7.0.2.1164
- Integrated Graphics Option ROM: Build 2098 PC 14.34(DH61BE, DH61CR, DH61WW)
- Integrated Graphics Option ROM: Build 2098 PC 14.34(DH61DL)
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.65 PXE 2.1 Build 089

New Fixes/Features:

- Initial production BIOS release

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