



BIOS Update Release Notes

PRODUCTS: DH61AG (Standard BIOS)

BIOS Version 0039 - AGH6110H.86A.0039.2012.0410.1054

About This Release:

- Date: April 10, 2012
- ME Firmware: Ignition SKU 8.0.0.1294
- Integrated Graphics Option ROM: Build 2119 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.81 PXE 2.1 Build 091

Warning:

BIOS version 0039 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 0037 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:

- Updated processor support.
- Fixed issue where screen flashes during any resolution change on LVDS connection.
- Fixed instability issue with VGA resolution.
- Updated VBIOS to version 2119.
- Updated PXE ROM to version 1.3.81 Build 091.
- Fixed issue where fans intermittently spin at full speed at power up.
- Fixed issue where Consumer Infrared (CIR) LED does not light up.
- Fixed issue where system hangs at POST code EB if USB-powered DVDROM has no media.

BIOS Version 0037 - AGH6110H.86A.0037.2012.0319.1743

About This Release:

- Date: March 19, 2012
- ME Firmware: Ignition SKU 7.1.40.1161
- Integrated Graphics Option ROM: Build 2113 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.65 PXE 2.1 Build 089

New Fixes/Features:

- Fixed issue where consumer infrared (CIR) LED does not light.
- Updated Intel® ME firmware to versions 7.1.40.1161.

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- Fixed issue where system fails to boot when "Memory configuration" is set to "Manual - user defined".
- Updated LAN Option Rom to version 1381.
- Fixed issue where optical drive is not detected.
- Added DDR3 low voltage DIMM module support.
- Disabled Keyboard not found event logging.
- Fixed issue where system hangs when using iFlash2 to update BIOS.

BIOS Version 0033 - AGH6110H.86A.0033.2011.1206.1707

About This Release:

- Date: December 6, 2011
- ME Firmware: Ignition SKU 7.1.13.1088
- Integrated Graphics Option ROM: Build 2113 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.65 PXE 2.1 Build 089

New Fixes/Features:

- Fixed issue where WHQL Single computer display object test fails.
- Implemented Keyboard ready beep frequency.
- Modified the USB help string.
- Updated processor support.
- Fixed issue with lost LVDS screen or LVDS option in maintenance mode.
- Removed 3.3v standby item under Intel® Desktop Utilities.
- Fixed issue where when hiding FSC fan configuration setting through Intel® Integrator Toolkit, the respective settings are locked in BIOS instead of hidden.
- Fixed issue with FSC no proposed value under FSC page.

BIOS Version 0031 - AGH6110H.86A.0031.2011.0802.1111

About This Release:

- Date: August 2, 2011
- ME Firmware: Ignition SKU 7.1.13.1088
- Integrated Graphics Option ROM: Build 2113 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.65 PXE 2.1 Build 089

New Fixes/Features:

- Set Under-Speed Threshold (RPM) range 0 to 32000.
- Updated PnpID for some vBIOS pre-defined type.
- Fixed help text for "BIOS Setup Auto-Entry" string.
- Moved 3.3V standby between +3.3V and Memory VCC from under PCH VCC.
- Set Black-on-White CPU badge instead of White-on-Blue CPU badge.
- Implemented BIOS setup Auto-Entry.
- Fix issue with "Digital Flat Panel" display resolution.
- Rolled back EDID payload filename option.
- Fixed issue where if "IGD Flat Panel" is set to <LVDS> or <eDP>, BIOS shall set the "Integrated Graphics Device" question to <Always Enable>. BIOS shall gray-out "Integrated Graphics Device" question.
- Increased POST time when setting fast boot function.

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- Modified Device Locate to "SODIMM1", "SODIMM2" and Back Locator: "Channel A DIMM0", "Channel A DIMM 1".
- Modified Intel® Integrator Toolkit unsupported setup item in map file.
- Fixed issue where Fan Speed is incorrect in auto mode.
- Fixed issue where standby LED blinking is faster than it should be 1Hz duty-cycle.
- Modified BIOS layout to add C-Status option under BIOS.
- Modified BIOS layout to add +3.3V standby option under BIOS.
- Fixed issue where +3.3V standby has a row now, however the actual value is empty (no reading).
- Fixed issue where BIOS didn't set and gray-out the memory voltage in XMP automatically when users select XMP Profile1 or Profile2.
- Implemented load EDID file under BIOS.
- Fixed issue where monitor doesn't wake from initial keyboard or mouse activity that resume from s3.
- Updated Intel® ME firmware to 7.1.13.1088.
- Updated processor support.
- Hid "IGD Primary Video" when "IGD Flat Panel" is eDP or LVDS.
- Fixed issue where PCIE slot information doesn't match BIOS Spec 1.83.
- Fixed CPU badge issue.
- Fixed LVDS/eDP item - load default when setting Pre-defined.
- Moved "Memory Speed" under "L2 Cache RAM/L3 Cache RAM".
- Removed ASCII board layout.
- Fixed issue where system does not display panel backlight lamp with graphics driver version 2372.
- Implemented BIOS auto loading XMP voltage information and auto setting it.
- Fixed issue where operating system hangs when setting USB optimization to Enable.
- Fixed issue where system can't show burn ROM information when into power button recovery mode.
- Fixed issue where USB keyboard and mouse can't work normally under DOS after installing mouse driver.
- Fixed issue where no dialog box is displayed to enter user password.

BIOS Version 0023 - AGH6110H.86A.0023.2011.0525.1914

About This Release:

- May 25, 2011
- ME Firmware: Ignition SKU 7.1.10.1065
- Integrated Graphics Option ROM: Build 2113 PC 14.34
- 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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