



## BIOS Update Release Notes

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### PRODUCTS: DH67BL, DH67CF, DH67CL, DH67GD, DH67VR (Standard BIOS)

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**BIOS Version 0132 - BLH6710H.86A.0132.2011.1007.1505**

#### About This Release:

- Date: Oct 07, 2011
- ME Firmware: 7.1.20.1119
- Integrated Graphics Option ROM: Build 2119 PC 14.34
- SATA RAID Option ROM: v10.6.0.1091
- LAN Option ROM: v1365 PXE 2.1 Build 089

#### New Fixes/Features:

- Updated ITE module support.
- Fixed issue with monitor sleep states.
- Updated processor support.
- Updated Intel® ME firmware to version 7.1.20.1119.
- Added support for Microsoft\* OEM Activation 3.0.
- Fixed issue where certain RAID card hangs when pressing Ctrl-G.
- Updated vBIOS to version 2119.
- Added ITE889X module for performance improvement.

**BIOS Version 0125 - BLH6710H.86A.0125.2011.0705.1517**

#### About This Release:

- July 5, 2011
- ME Firmware: 7.1.13.1088
- Integrated Graphics Option ROM: Build 2111 PC 14.34
- SATA RAID Option ROM: v10.6.0.1091
- LAN Option ROM: v1365 PXE 2.1 Build 089

#### New Fixes/Features:

- Updated processor support.
- Updated RAID option ROM to v10.6.0.1091.
- Fixed issue where SATA Port 3 does not support Hot Plug.
- Fixed issue where re-plugging a USB keyboard can reboot the system.
- Fixed incorrect LAN name in SMBIOS Type 41
- Removed some garbage characters listed in help message of "USB Optimization".
- Removed extra PCI Latency Timer option listed in BIOS.

**BIOS Version 0122 - BLH6710H.86A.0122.2011.0601.1554**

#### About This Release:

- June 1, 2011
- ME Firmware: 7.1.13.1088

- Integrated Graphics Option ROM: Build 2111 PC 14.34
- SATA RAID Option ROM: v10.0.0.1046
- LAN Option ROM: v1365 PXE 2.1 Build 089

**New Fixes/Features:**

- Fixed issue with FSC update load default callback.
- Fixed issue where fan configuration settings are locked instead of hidden in Intel® Integrator Toolkit.

<b>BLH6710H.86A.0119.2011.0523.1030 Production BIOS</b>
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**About This Release:**

- May 23, 2011
- ME Firmware: 7.1.13.1088
- Integrated Graphics Option ROM: Build 2111 PC 14.34
- SATA RAID Option ROM: v10.0.0.1046
- LAN Option ROM: v1365 PXE 2.1 Build 089

**Note:**

After updating to BIOS version 0119 or newer, you must use the Recovery update method to revert to version 0110 or earlier.

**New Fixes/Features:**

- Fixed issue where PCIe x1 card is not detected when inserted in a PCIe x16 slot.
- Updated Intel® ME firmware to version 7.1.13.1088.
- Added SATA hot plug functionality.
- Updated processor support.
- Fixed TV tuner card issue.

<b>BIOS Version 0110 - BLH6710H.86A.0110.2011.0415.1506</b>
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**About This Release:**

- April 15, 2011
- ME Firmware: 7.1.11.1069
- Integrated Graphics Option ROM: Build 2111 PC 14.34
- SATA RAID Option ROM: v10.0.0.1046
- LAN Option ROM: v1365 PXE 2.1 Build 089

**New Fixes/Features:**

- Changed HyperBoot string to Fast Boot.
- Updated RAID info display.
- Updated thermal trip beep pattern.
- Fixed issue with detected video device priority.
- Fixed issue with Boot to USB functionality.
- Updated VBIOS version.
- Updated ME firmware version.
- Added Lucid Server support.
- Updated fan control for DH67CF.
- Updated SMBios and patch for Intel® Desktop Utilities.
- Added page-up page-down key for setup list-box items.
- Added "No detect" option for each USB port.

**BIOS Version 0105 - BLH6710H.86A.0105.2011.0301.1654**

**About This Release:**

- March 01, 2011
- ME Firmware: 7.0.4.1197
- Integrated Graphics Option ROM: Build 2108 PC 14.34
- SATA RAID Option ROM: v10.0.0.1046
- LAN Option ROM: v1365 PXE 2.1 Build 089

**New Fixes/Features:**

- Disabled HDMI Audio automatic when IGD is not enabled.
- Fixed issue with S3 check for power button recovery.
- Fixed SATA port disable issue.
- Updated processor support.

**BLH6710H.86A.0102.2011.0211.2236 Production BIOS**

**About This Release:**

- February 11, 2011
- ME Firmware: 7.0.4.1197
- Integrated Graphics Option ROM: Build 2089 PC 14.34
- SATA RAID Option ROM: v10.0.0.1046
- LAN Option ROM: v1365 PXE 2.1 Build 089

**New Fixes/Features:**

- Disabled USB ports at early POST.
- Fixed issue with HyperBoot.
- Updated Intel® ME firmware to version 7.0.4.1197.

**BIOS Version 0098 - BLH6710H.86A.0098.2011.0114.1739**

**About This Release:**

- January 7, 2011
- ME Firmware: 7.0.2.1164
- Integrated Graphics Option ROM: Build 2089 PC 14.34
- SATA RAID Option ROM: v10.0.0.1046
- LAN Option ROM: v1365 PXE 2.1 Build 089

**New Fixes/Features:**

- Fixed issue with SMBIOS Max Memory Size on DH67CF.
- Updated Max Non-Turbo ratio now limited by CPU.
- Updated processor support.
- Updated PCI wakeup.
- Fixed issue with S3 LED behavior.
- Revise SIO behavior to support memory OV DAC only for Manual Memory Voltage issue.
- Modified memory timing for new MRC code.
- Updated fan speed control.
- Removed Fan type item in Setup.
- Removed Current Duty Cycle item in Setup.
- Updated setup item CPU Control Temp, CPU All On Temp and CPU Over Temp with Tcontrol value if FSC variable does not exist.
- Fixed issue where Setup shows slot map even when no PCI/PCIe card installed.

- Fixed iFlash2 update error.
- Removed Burst Mode limitation when using XE processor.
- Changed default hard drive order in AHCI mode.
- Fixed display of processor socket in SMBIOS.
- Updated vBIOS to version 2089.
- Updated setup item Hard Disk Pre-Delay.
- Disabled L0s for USB3.0 loss device issue.
- Fixed issue where IGD Display priority/Detected Video Device Priority has no function.
- Set the default value of the Display F7 to Update Bios option to enabled.
- Updated setup to hide Front Panel Audio option when audio is disabled.
- Fixed issue where a USB device connected to a USB 3.0 port can't be detected under DOS.
- Added warning message about the use of 95W processors for DH67CF.
- Updated Wake on LAN default value.

<b>BIOS Version 0076 - BLH6710H.86A.0076.2010.1115.1959</b>
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**About This Release:**

- November 15, 2010
- ME Firmware: 7.0.1.1141
- Integrated Graphics Option ROM: Build 2080 PC 14.34
- SATA RAID Option ROM: v10.0.0.1046
- LAN Option ROM: v1365 PXE 2.1 Build 089

**New Fixes/Features:**

- Fixed issue where consumer infrared (CIR) would always show yellow bang even when disabled.
- Fixed issues with burst mode power limit.
- Fixed GFX voltage default.
- Fixed Graphic max multiplier default value.
- Fixed issue with CPU burst mode/sustained mode power limit.
- Fixed eSATA port issue.
- Added setup item for GFX Current Power Limit.
- Updated graphic multiplier defaults.
- Improved consumer infrared function.
- Set graphic voltage override default to 1.2v.
- Updated SMBIOS PCI slot info.
- Updated setup menu exit prompt.
- Fixed issue where Display Port has no audio.
- Fixed issue where there is an extra reboot with a PCI Express VGA card.
- Updated to ME v1141 firmware.
- Fixed issue with Wake-on-LAN after G3.
- Fixed issue with greyed out Wake-on-LAN from S4/S5 or Deep S4/S5.
- Fixed issue with disabled USB 3.0 controller.
- Updated VBIOS version.
- Modified DIMM slots names
- Updated USB Port mappings.
- Updated PCI slot information in setup.
- Updated UQI tokens.

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

- Fixed issue where system stops at POST code EB with USB 3.0 device inserted.
- Updated detected video device priority.
- Updated PXE ROM and GbE ROM versions.

**BIOS Version 0062 - BLH6710H.86A.0062.2010.1025.1539**

**About This Release:**

- October 25, 2010
- ME Firmware: 7.0.0.1135
- Integrated Graphics Option ROM: Build 2080 PC 14.34
- SATA RAID Option ROM: v10.0.0.1046
- LAN Option ROM: v1363 PXE 2.1 Build 089

**New Fixes/Features:**

- Initial production BIOS release

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