



BIOS Update Release Notes

PRODUCTS: DH57JG, DH57DD (Standard BIOS)

BIOS Version 0663 - JGIBX10J.86A.0663.2011.1019.0408

About This Release:

- Date: October 19, 2011
- ME Firmware: 6.1.32.1076
- Integrated Graphics Option ROM: 2120
- SATA RAID Option ROM: v10.6.0.1091
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.65 PXE-2.1 build 089

New Fixes/Features:

- Fixed issues with certain PCH register setting.
- Fixed issue with SMBIOS PCI Slot string.
- Updated Intel® Integrator Toolkit map file.
- Fix issue where BIOS will boot slowly with 16GB memory in some situations.
- Added code to fill in the DOMN and NCPU values of Packages PSDC, PSDD, or PSDE whichever is currently used.
- Updated VBIOS to version 2120
- Updated RAID Option ROM to v10.6.0.1091.
- Fixed issue where some graphic cards cannot work with high memory.

BIOS Version 0656 - JGIBX10J.86A.0656.2011.0428.1959

About This Release:

- April 28, 2010
- ME Firmware: 6.1.32.1076
- Integrated Graphics Option ROM: 2111
- SATA RAID Option ROM: v 10.1.0.1008
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.65 PXE-2.1 build 089

New Fixes/Features:

- Updated VBIOS to version 2111.
- Fixed issue where some graphic cards will cause BIOS to reset.
- Converted HyperBoot string to Fast boot.
- Fixed issue where boot time doesn't decrease after fast boot is enabled.
- Updated F7 Flash Update Menu display format of USB devices.
- Fixed issue where PCIE Frequency setting causes Intel Desktop Control Center failure.
- Cleared PCI Express Capability Structure control BIT in _OSC.
- Updated Intel® ME firmware to version 6.1.32.1076.
- Fixed issue where "Clear User Password" option does not display when entering SETUP as supervisor if user access level is set to View Only or No Access and supervisor and user Password set.

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- Fixed issue where option ROM doesn't display according to Expansion Card Text setup option.
- Fixed issue where pressing F2 to Enter SETUP, system enters SETUP as user without password prompt when only the supervisor password set and User Access level = Full.
- Fixed issue where intrusion event is not cleared when CHASSIS INTRUSION is disabled.
- Fixed issue where BIOS still requires password when user password is not installed and user access level is full.
- Fixed F10 boot menu issue in RAID mode.
- Fixed issue where Pre-HDD delay doesn't happen right after logo display in RAID mode.
- Fixed post message "Boot attempt failed" while updating in recovery mode when Fast Boot is enabled.
- Fixed issue where RAID GUI would not display during single Fast Boot disable boot.
- Fixed issue where POST Function Hotkeys display on the bottom of the screen before flash started during Express BIOS Update and iFlash update process.
- Fixed F10 boot menu issue in AHCI mode.
- Fixed an issue of no "Clear User Password" option prompt when user access set to Limited Access.
- Fixed issue when updating from previous BIOS that would cause Fast Boot to change state to ENABLE.

BIOS Version 0625 - JGIBX10J.86A.0625.2010.1219.2132

About This Release:

- December 19, 2010
- ME Firmware: 6.1.20.1059
- Integrated Graphics Option ROM: 2086
- SATA RAID Option ROM: v 10.1.0.1008
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.65 PXE-2.1 build 089

New Fixes/Features:

- Updated RAID option ROM to 10.1.0.1008.
- Updated SMBIOS CPU designator string.
- Fixed UEFI Boot issue in RAID/AHCI mode.
- Fixed issue where HyperBoot will be automatically disabled when a user or supervisor password is set.
- Fixed badge display issue when updating badge with ITK.
- Fixed issue with certain USB hub audio.
- Updated PXE UNDI and Base Code.
- Fixed IDU Memory speed display issue.
- Fixed SMBIOS memory locator issue.
- Updated CPU warning message.
- Fixed issue where setup variable will change to default in maintenance mode.
- Fixed BIOS boot menu display issue when user access level is limited.
- Fixed HyperBoot USB Boot issue.
- Updated BIOS to align ITK Setup option and BIOS setup option.
- Fixed issue where legacy F000 segment method of posting SMBIOS and ACPI tables was not happening when "UEFI Boot" is enabled in BIOS SETUP.

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BIOS Version 0601 - JGIBX10J.86A.0601.2010.1111.0048

About This Release:

- November 11, 2010
- ME Firmware: 6.1.20.1059
- Integrated Graphics Option ROM: 2086
- SATA RAID Option ROM: v 9.6.0.1014
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.38 PXE-2.1 build 087

New Fixes/Features:

- Added HyperBoot feature.
 - If user or supervisor password is set, HyperBoot will not function.
 - If no boot device is connected and HyperBoot is enabled, user will not see message indicating that no boot device was found.
- Updated VBIOS to build 2086.
- Updated Intel® ME firmware to version 6.1.20.1069.
- Removed Beep for hotkey.
- Fixed SMBIOS display issue for G6950 processor.
- Improved BIOS update.
- Updated QST payload.
- Updated SATA RAID option ROM to version 9.6.0.1014.
- Fixed BIOS auto reset issue.
- Updated processor support.
- Added check before update host clock.
- Fixed BIOS INT15 service issue.
- Added new method to get the CPU cache information from the Deterministic Cache Parameter (CPUID Function 4).
- Added USB Legacy disable support.
- Increased ACPI NVS memory and RT code memory.
- Fixed issue where CPU Max Non Turbo Ratio does not restore to default.
- Added IGD output port selection.
- Added routine to do a system hard reset 0xcf9=0x06 if an init is detected.

BIOS Version 0537 - JGIBX10J.86A.0537.2010.0518.0132

About This Release:

- May 18, 2010
- ME Firmware: 6.1.1.1045
- Integrated Graphics Option ROM: 2009
- SATA RAID Option ROM: v8.9.0.1023
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.38 PXE-2.1 build 087

New Fixes/Features:

- Corrected BIOS handling for ME PCR and Non PCR request.
- Updated QST configuration file.
- Added OEM ID check when updating BIOS with F7.
- Updated ME FW to 6.1.1.1045.
- Updated AHCI option to fix operating system installation issue with some hard disks.

- Updated PCH BIOS specification 1.05.
- Fixed issue where the system boots slowly or appears to hang loading the operating system with 8GB of memory installed.
- Added clear screen at appropriate place during POST.
- Improved BIOS boot time ~0.2 seconds.
- Updated Video BIOS to build 2009.
- Fixed issue where x12 memory ratio was not set correctly.
- Added x12 memory ratio for K-SKU processors.
- Fixed SMBIOS table ME update failure.
- Added setup option to disable USB Backward Compatibility mode.
- Fixed issue where system shuts down when certain processors are installed with no graphics.
- Freed up 256MB of system memory for operating system usage when more than 3GB of memory is installed.
- Improved BIOS boot time ~1.7 seconds.
- Fixed issue where if a normal setup option appears after a greyed out setup option, the normal option item is greyed out.
- Fixed issue where BIOS setup Time/Date changes from gray to blue when Access level is View Only.
- Added workaround for DIMMs where XMP profile is invalid.
- Fixed issue where operating system fails to resume from hibernation when user enters BIOS Setup during POST.
- Fixed issue where CPU Max Non-Turbo Ratio might not get programmed correctly.

BIOS Version 0396 - JGIBX10J.86A.0396.2010.0309.2234

About This Release:

- March 10, 2010
- ME Firmware: 6.0.31.1208
- Integrated Graphics Option ROM: 1994
- SATA RAID Option ROM: v8.9.0.1023
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.38 PXE-2.1 build 087

New Fixes/Features:

- Fixed issue where BIOS recovery failed with certain memory DIMMs.
- Updated Video BIOS to build 1994.
- Rearranged the USB port number according to silk screen and schematic on DH57DD.
- Updated processor support.

BIOS Version 0368 - JGIBX10J.86A.0368.2010.0227.0651

About This Release:

- February 27, 2010
- ME Firmware: 6.0.31.1208
- Integrated Graphics Option ROM: 1984
- SATA RAID Option ROM: v8.9.0.1023
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.38 PXE-2.1 build 087

New Fixes/Features:

- Fixed "Generic USB Hub" failures in WLK 1.4 Computer Single Display Object Test.
- Fixed long S3 resume time.

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- Improved S3 resume time to pass WHQL.
- Fixed issue where S3 resume times were too long when using 16GB of memory.
- Fixed issue where memory overclocking using Host Clock will fail.
- Fixed PCH DMI Receiver Overflow Uncorrectable Error that was causing error 0x9F in USBHUB.SYS.
- Updated DMI VC programming.
- Added "No Video Detected" implementation and BIOS setup item.
- Fixed issue where operating system does not show processor string correctly.
- Added reading of the uncore ratio.
- Fixed issue where the system would fail to resume from S3.
- Updated Video BIOS to build 1984.
- Fixed SMBIOS memory structures mismatch installed hardware.
- Updated SSDT OemTableId.
- Updated GPIO/VO/QST support.
- Show/hide BIOS setup XD Technology setup option base on processor XD feature.
- Updated EIB ME FW build PCH_8M_6.0.31.1208.
- Updated SMBIOS to version 2.6.
- Skip flash update the ME Region when FW version remains the same to reduce flashing time.
- Fixed issue where PCI VGA does not work correctly.
- Updated default setup configuration.
- Enabled Wake from PCI LAN in S5.
- Fixed issue where BIOS version string is not properly sent to Intel® ME firmware.
- Fixed issue where the S3/S4 cycling were failing after ~300-500 cycles.
- Fixed issue where LAN option cannot be set back to factory default after customization with Intel® Integrator Assitant.

BIOS Version 0217 - JGIBX10J.86A.0217.2010.0120.2350

About This Release:

- January 21, 2010
- ME Firmware: 6.0.30.1203
- Integrated Graphics Option ROM: 1960
- SATA RAID Option ROM: v8.9.0.1023
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.38 PXE-2.1 build 087

New Fixes/Features:

- Initial production BIOS release

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