



BIOS Update Release Notes

PRODUCTS: DP67BG, DZ68ZV (Standard BIOS)

BIOS Version 2209 - BGP6710J.86A.2209.2012.0717.2302

About This Release:

- Date:
July 17, 2012
- ME Firmware:
ME8: Production v8.0.13.1502
ME7: Production v7.1.52.1176
- SATA RAID Option ROM:
Intel(R) RAID for SATA - 11.5.0.1582
- PXE Boot Agent:
Intel(R) Boot Agent GE v1.3.72
IBA GE Slot 0000 v1372 PXE 2.1 Build 089 (WfM 2.0)
- Marvell* Option ROM:
1.1.0.L72

New Fixes/Features:

- Updated RAID Option ROM to version 11.5.0.1582.
- Updated Intel® ME firmware to versions 7.1.52.1176 and 8.0.13.1502.
- Updated memory device locator string.
Fixed issue where Clear User Password cannot be selected when User Access Level = Limited.

BIOS Version 2185 - BGP6710J.86A.2185.2012.0420.0057

About This Release:

- Date:
April 20, 2012
- ME Firmware:
Production v8.0.10.1464
- SATA RAID Option ROM:
Intel(R) RAID for SATA - 11.1.0.1413
- PXE Boot Agent:
Intel(R) Boot Agent GE v1.3.72
IBA GE Slot 0000 v1372 PXE 2.1 Build 089 (WfM 2.0)
- Marvell Option ROM:
1.1.0.L72

New Fixes/Features:

- Fixed issue where system doesn't wake from Standby in Unattended state.
- Updated Intel® ME 8 firmware to version 8.0.10.1464.
- Fixed issue where BIOS may hang at POST code 5B when F7 is pressed.
- Fixed setup display issue when user access level is "VIEW ONLY".
- Updated ITK file to hide unsupported Setup items in Map file.

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

- Fixed issue where board does not complete POST when memory has changed.
- Fixed issue where CPU Fan Control Mode cannot be selected.
- Updated RAID option ROM to version 11.1.0.1413.
- Update Intel® ME 7 firmware to version 7.1.40.1161.
- Fixed issue where operating system cannot be installed to an SSD card.
- Fixed issue where Express BIOS Update does not work after S3.
- Fixed issue where operating system cannot be installed in RAID mode when UEFI is enabled.

BIOS Version 2161 - BGP6710J.86A.2161.2012.0214.2350

About This Release:

- Date:
February 14, 2012
- ME Firmware:
Production 8.0.2.1410
- SATA RAID Option ROM:
Intel(R) RAID for SATA - 11.0.0.1339
- PXE Boot Agent:
Intel(R) Boot Agent GE v1.3.72
IBA GE Slot 0000 v1372 PXE 2.1 Build 089 (WfM 2.0)
- Marvell* Option ROM:
1.1.0.L72

Warning:

BIOS version 2161 includes support for 3rd Generation Intel® Core™ 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 2111 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 these processors, follow the special BIOS update steps at [Updating the BIOS on 6 Series chipset desktop boards.](#)

New Fixes/Features:

- Updated processor support.
- Updated Intel® ME firmware to version 8.0.2.1410.
- Fixed boot issue with some memory DIMMs.
- Fixed processor overclocking issue.
- Fixed issue with memory voltage gauge in Intel® Integrator Toolkit.
Fixed issue where watchdog timer test fails.
- Updated RAID option ROM to version 11.0.0.1339.
- Fixed issue where watchdog timer does not trigger automatically during F8 mode in UEFI mode.
- Fixed issue where system hangs when recovering with previous BIOS.
- Fixed issue where BIOS memory speed does not match the memory speed in Intel® Desktop Utilities.
- Enabled Flash Update Status Indicator.
- Removed Keyboard Not Found Event.

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- Fixed issue with Intel® Extreme Tuning Utility auto tune failure.
- Added DIMM Reference Voltage Training setup option.

BIOS Version 2111 - BGP6710J.86A.2111.2011.1120.2157

About This Release:

- Date:
November 20, 2011
- ME Firmware:
Production 7.1.20.1119
- SATA RAID Option ROM:
Intel(R) RAID for SATA - 10.8.0.1303
- PXE Boot Agent:
Intel(R) Boot Agent GE v1.3.72
IBA GE Slot 0000 v1372 PXE 2.1 Build 089 (WfM 2.0)
- Marvell Option ROM:
1.1.0.L72

New Fixes/Features:

- Fixed issue where SMI Lock bit may set before BSP/AP sync in S3 boot path.
- Added workaround for system hangs and blue screen errors during high USB usage.
- Restored HPET setup option.
- Updated F7 hotkey behavior.
- Fixed issue where operating system boots slowly when 32GB memory is installed.
- Fixed issue where some USB optical drives cannot be detected.
- Updated RAID option ROM to v10.8.0.1303.

BIOS Version 2076 - BGP6710J.86A.2076.2011.0921.2357

About This Release:

- Date:
September 21, 2011
- ME Firmware:
Production 7.1.20.1119
- SATA RAID Option ROM:
Intel(R) RAID for SATA - v10.6.0.1091
- PXE Boot Agent:
Intel(R) Boot Agent GE v1.3.72
IBA GE Slot 0000 v1372 PXE 2.1 Build 089 (WfM 2.0)
- Marvell* Option ROM:
1.1.0.L72

New Fixes/Features:

- Fixed issue where some graphic cards cannot work with high memory.
- Added SLI key for DZ68ZV.
- Updated Intel® ME firmware for DZ68ZV.
- Updated GUID defined section Security check
- Updated Intel® ME firmware to version 7.1.20.1119
- Added Intel® Rapid Storage Technology support
- Added support for Microsoft OEM Activation 3.0 for Windows 8.

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BIOS Version 2040 - BGP6710J.86A.2040.2011.0629.0142

About This Release:

- Date:
June 29, 2011
- ME Firmware:
Production 7.1.13.1088
- SATA RAID Option ROM:
Intel(R) RAID for SATA - v10.6.0.1091
- PXE Boot Agent:
Intel(R) Boot Agent GE v1.3.72
IBA GE Slot 0000 v1372 PXE 2.1 Build 089 (WfM 2.0)
- Marvell* Option ROM:
1.1.0.L72

Note:

When BIOS version 2040 is installed, to downgrade to BIOS version 1979 or earlier, you must first downgrade to BIOS version 2023; then you can perform a BIOS recovery to version 1979 or earlier.

New Fixes/Features:

- Fixed the number of cores shown in Intel® Extreme Tuning Utility.
- Fixed issue that could result in losing the state of the watchdog timer.
- Fixed issue causing memory to not run in auto after watchdog timer.
- Enabled Over-clocking Assistant on Performance menu in BIOS
- Fixed Secondary SATA Mode setup option display issue.
- Updated RAID to v10.6.0.1091.
- Fixed issue where "Execute Disable Bit" disappears unexpectedly.
- Fixed issue where BIOS used normal setup value for platform policy in B2B/Recovery/MFG mode.
- Updated BIOS Setup items that are links with Sub-Screens below them.

BIOS Version 0023 - BGP6710J.86A.2023.2011.0601.1819

About This Release:

- Date:
June 01, 2011
- ME Firmware:
Production 7.1.13.1088
- SATA RAID Option ROM:
Intel(R) RAID for SATA - v10.5.0.1034
- PXE Boot Agent:
Intel(R) Boot Agent GE v1.3.72
IBA GE Slot 0000 v1372 PXE 2.1 Build 089 (WfM 2.0)
- Marvell* Option ROM:
1.1.0.L72

Note:

After updating to BIOS version 0023 or newer, you must use the Recovery update method to revert to version 1979 or earlier.

New Fixes/Features:

- Updated ME FW to v7.1.13.1088.

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- Fixed issue where Chassis Intrusion message is not displayed before allowing user to enter BIOS setup.
- Enhanced EFI GetVariable service.
- Enabled PEI Authentication.
- Updated RAID Option ROM to v10.5.0.1034.
- Updated PXE image to Intel(R) Boot Agent GE v1.3.72.
- Fixed issue where certain USB keyboard does not function in POST.
- Added the USB Port setting "No Detect" option.
- Fixed issue where BIOS downgrade warning message was cleared before input password.
- Fixed ACPI _PSD error when running "POWERCFG -ENERGY" command.
- Update SMBIOS PCI Slot String.

BIOS Version 1979 - BGP6710J.86A.1979.2011.0419.1751

About This Release:

- Date:
April 19, 2011
- ME Firmware:
Production 7.0.10.1203
- SATA RAID Option ROM:
Intel(R) RAID for SATA - v10.1.0.1008
- PXE Boot Agent:
Intel(R) Boot Agent GE v1.3.65
IBA GE Slot 0000 v1365 PXE 2.1 Build 089 (WfM 2.0)
- Marvell* Option ROM:
1.1.0.L72

New Fixes/Features:

- Fixed issue where operating system cannot resume from USB keyboard or mouse.
- Fixed issue where F7 update menu doesn't display all USB devices.
- Fixed BIOS turbo ratio setting issue.
- Fixed issue where 1394 settings are lost after S3 resume.
- Fixed issue where Fast Boot PPI would not install correctly.
- Converted HyperBoot strings to Fast Boot.
- Fixed issue where HPET event timer block ID was not set correctly.
- Fixed off by one value when calculating the control temp using the 2's complement value in the PlatformCpuInfo Msr.
- Fixed issue where Setup still needs password when user access level is full and user password is not set.
- Fixed issue where runtime variable service fails after S3 resume.
- Fixed issue where flashing to previous BIOS will hang the system when SYSTEM_CONFIGURATION EFI variable has grown in size.
- Fixed issue where Page Down will cause slow display in USB Setup configuration page.
- Updated Intel® ME firmware to v7.0.10.1203.
- Fixed issue where PCIEx1 device cannot be detected in PCIEx16 slot.
- Fixed issue where a drive connected to the Marvell eSATA port does not show on F7 Post Flash menu.
- Fixed incorrect POST display issue when Video Optimization is enabled.
- Fixed Intel® Integrator Toolkit setup map file issue.

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- Fixed issue where Windows 7* would not enable native OS PCI Express control.
- Added support for BIOS recovery from the onboard USB 3.0 XHCI controller.
- Fixed VT-d DMAR table issues
- Updated BIOS Setup main page help text.

BIOS Version 1900 - BGP6710J.86A.1900.2011.0210.1012

About This Release:

- Date:
February 10, 2011
- ME Firmware:
Production 7.0.4.1197
- SATA RAID Option ROM:
Intel(R) RAID for SATA - v10.1.0.1008
- PXE Boot Agent:
Intel(R) Boot Agent GE v1.3.65
IBA GE Slot 0000 v1365 PXE 2.1 Build 089 (WfM 2.0)
- Marvell Option ROM:
1.1.0.L72

New Fixes/Features:

- Fixed issue where the watchdog timer is not able to catch system hang.
- Improved BIOS POST time for detecting and accessing USB mass storage devices.
- Updated Intel® ME firmware to version 7.0.4.1197.
- Fixed CPU fan failure event.
- Fixed FSC Dynamic Screen updates 1 sec.
- FSC Fix for processor TControl, and updated FSC Stack.
- Fixed issue where watchdog timer cut off the no memory detected beep.
- Fixed CD Recovery support.
- Fixed issue where certain PCIe Gen1 card is not detected.
- Fixed issue where certain SSD drives would stall the system at POST code 0xEB during POST.
- Fixed issue where RAID Option ROM cannot be entered when Hyperboot is disabled.
- Updated CPU Voltage option granularity.
- Updated SMBIOS CPU socket type to LGA1155.
- Updated ME FW black list checking during BIOS update.
- Updated SMBIOS Memory slot designator and max memory size.
- Fixed issue where XMP2000 profile running at 2133MHz.
- Fixed issue where OS does not see all processor threads.
- Updated processor support.

BIOS Version 1815 - BGP6710J.86A.1815.2010.1217.1200

About This Release:

- Date:
December 17, 2010
- ME Firmware:
Production 7.0.1.1141
- SATA RAID Option ROM:

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Intel(R) RAID for SATA - v10.1.0.1008

- PXE Boot Agent:
Intel(R) Boot Agent GE v1.3.65
IBA GE Slot 0000 v1365 PXE 2.1 Build 089 (WfM 2.0)
- Marvell Option ROM:
1.1.0.L72

New Fixes/Features:

- Fixed issue where 3rd party SATA card's Option ROM does not load during POST.
- Fixed issue where XMP2133 DIMM will run at 1866MHz.
- Fixed issue where system fails after MRC fastboot failure.
- Enhanced support on ME Firmware update.
- Added support for displaying the SATA devices detected in RAID mode.
- Set Vsa to 1.05V when XMP2133+ profile is selected.
- Fixed the reverse output of fan data and added PCH and Mem voltages back in.

Known Errata:

- BIOS update to previous BIOS with older ME firmware (7.0.0.1135 or before) will result in a BIOS update failure and A/C cycle is required.

BIOS Version 1780 - BGP6710J.86A.1780.2010.1129.1710

About This Release:

- Date:
November 29, 2010
- ME Firmware:
Production 7.0.1.1141
- SATA RAID Option ROM:
Intel(R) RAID for SATA - v10.1.0.1008
- PXE Boot Agent:
Intel(R) Boot Agent GE v1.3.65
IBA GE Slot 0000 v1365 PXE 2.1 Build 089 (WfM 2.0)
- Marvell* Option ROM:
1.1.0.L72

New Fixes/Features:

- Fixed HyperBoot failure during jumper recovery, password not visible.
- Set default CPU Voltage to 1.1000 volts for Intel® Extreme Tuning Utility (XTU).
- Fixed watchdog timer timeout when Max Non Turbo Ratio is changed through XTU.
- Updated BIOS Setup strings.
- Fixed issue where internal PLL Voltage Enable not booting when watchdog fires.

BIOS Version 1569 - BGP6710J.86A.1569.2010.1101.1220

About This Release:

- Date:
November 1, 2010
- ME Firmware:

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Production 7.0.1.1141

- SATA RAID Option ROM:
Intel(R) RAID for SATA - v10.0.0.1046
- PXE Boot Agent:
Intel(R) Boot Agent GE v1.3.65
IBA GE Slot 0000 v1365 PXE 2.1 Build 089 (WfM 2.0)
- Marvell* Option ROM:
1.1.0.L72

New Fixes/Features:

- Initial production BIOS release

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