



BIOS Update Release Notes

PRODUCTS: DQ67SW, DQ67OW, DQ67EP (Standard BIOS)

BIOS Version 0053 - SWQ6710H.86A.0053.2011.0615.1535

About This Release:

- June 15, 2011
- ME Firmware: 5MB SKU 7.1.13.1088 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2113 PC 14.34
- SATA RAID Option ROM: Intel(R) RAID for SATA - v10.5.0.1034
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.72

New Fixes/Features:

- Updated processor support.
- Fixed issue where some PCIe x1 cards are not detected in the PCIe x16 slot.
- Fixed issue where PCIe config uses a reserved value.
- Added scrollbar for list of cert hashes in the Management menu in BIOS.
- Changed SMBIOS Type 17 Bank Locator and Device Locator strings.

BIOS Version 0052 - SWQ6710H.86A.0052.2011.0520.1802

About This Release:

- May 20, 2011
- ME Firmware: 5MB SKU 7.1.13.1088 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2113 PC 14.34
- SATA RAID Option ROM: Intel(R) RAID for SATA - v10.5.0.1034
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.72

New Fixes/Features:

- Fixed issue where CPU fan and chassis fan PWM cannot reach 100%.
- Updated RAID Option ROM to version 10.5.0.1034.
- Updated Intel® ME firmware to version 7.1.13.1088.
- Updated processor support.
- Updated PXE binary to version 1.3.72.
- Updated VBIOS to version 2113.
- Added SATA port hot plug functionality.
- Changed HyperBoot message to Fast Boot.

BIOS Version 0051 - SWQ6710H.86A.0051.2011.0413.1154

About This Release:

- April 13, 2011
- ME Firmware: 5MB SKU 7.1.10.1065 Production

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- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2111 PC 14.34
- SATA RAID Option ROM: Intel(R) RAID for SATA - v10.1.0.1008
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.65

Note:

If the current BIOS version is 0050 or earlier, you must first update to version 0051 before doing a BIOS recovery function.

New Fixes/Features:

- Fixed issues with Intel® Desktop Utilities (IDU) v3.1.3.028:
 - BIOS incorrectly calculating Tcontrol.
 - Processor temperature thresholds higher than TCC Assertion Temperature.
 - Processor changes not detected by BIOS.
- Fixed issue where function keys' texts do not show when Fast Boot is enabled.
- Fixed issue where you can't enter setup menu when Fast Boot is enabled.
- Fixed issue where Memory Label Designation in IDU is still showing up in older format.
- Added USB "No Detect" feature.
- Updated VBIOS to the revision 2111.
- Corrected Fast Boot strings in setup menu.

BIOS Version 0050 - SWQ6710H.86A.0050.2011.0401.1409

About This Release:

- April 01, 2011
- ME Firmware: 5MB SKU 7.1.10.1065 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2108 PC 14.34
- SATA RAID Option ROM: Intel(R) RAID for SATA - v10.1.0.1008
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.65

New Fixes/Features:

- Fixed issue where operating system installation hangs at .SIF when no keyboard or mouse is connected.

BIOS Version 0049 - SWQ6710H.86A.0049.2011.0314.1053

About This Release:

- March 14, 2011
- ME Firmware: 5MB SKU 7.1.10.1065 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2108 PC 14.34
- SATA RAID Option ROM: Intel(R) RAID for SATA - v10.1.0.1008
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.65

New Fixes/Features:

- Updated Intel® ME F/W to version 7.1.10.1065.
- Updated VBIOS to version 2108.
- Fixed issue where Intel® Desktop Utilities displays no data when UEFI Boot is enabled.
- Updated "Boot Device Restoration" in HyperBoot.

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- Fixed issue where S3 resume fails in Linux*.
- Fixed issue with Maximum Non-Turbo Ratio.
- Fixed issue with A/C loss after removing power.
- Fixed issue with S3 and Intel® TXT.

BIOS Version 0047 - SWQ6710H.86A.0047.2011.0222.1058

About This Release:

- February 22, 2011
- ME Firmware: 5MB SKU 7.0.4.1197 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2089 PC 14.34
- SATA RAID Option ROM: Intel(R) RAID for SATA - v10.1.0.1008
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.65

New Fixes/Features:

- Fixed issue where the power button recovery is for cold boot path only.
- Fixed issue where provisioning record in Setup displays a "Setup IP" that is not correct.
- Updated Intel® ME firmware to the revision: 7.0.4.1197.
- Updated processor support.
- Added support for PCH B3 stepping.

BIOS Version 0041 - SWQ6710H.86A.0041.2011.0114.1542

About This Release:

- January 14, 2011
- ME Firmware: 5MB SKU 7.0.2.1164 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2089 PC 14.34
- SATA RAID Option ROM: Intel(R) RAID for SATA - v10.1.0.1008
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.65

New Fixes/Features:

- Fixed issue where there is an additional shutdown with 95W processor warning message.
- Updated BIOS Setup to allow more characters to be displayed for SATA device model information.
- Revised Intel Standard Manageability Technology Configuration in Intel® ME menu.
- Fixed issue where optical drive name and solid state drive name does not show completely in Configuration > SATA, Boot > Optical Drive Order and Hard Drive Order lists in BIOS Setup.
- Updated BIOS Setup to show "Reset Intel Standard Manageability to default factory settings" for non-vPro processors in Maintenance mode.
- Hid VT-d and TXT in BIOS Setup when a non-vPro processor is installed.
- Fixed issue where operating system will not install via PXE with a hard drive or optical drive plugged into SATA ports 1 through 3.
- Fixed issue where EFI MEBx is not accessible after remote provisioning (bare metal/PKI method).
- Fixed issue where TXT S3 resume and BVT fail.

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- Updated processor support.
- Hid Performance settings from Intel® Integrator Toolkit.
- Added SMBIOS programming for processor socket.

SWQ6710H.86A.0038.2010.1227.1958 Production BIOS

About This Release:

- December 27, 2010
- ME Firmware: 5MB SKU 7.0.2.1164 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2089 PC 14.34
- SATA RAID Option ROM: Intel(R) RAID for SATA - v10.1.0.1008
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.65

New Fixes/Features:

- Updated ME F/W to the revision: 7.0.2.1164.
- Improved BIOS ID checking when using F7 BIOS Flash Update method.
- Fixed issue where boot order fails in RAID mode if inserting a bootable USB mass storage device into a USB port which is disabled in the setup.
- Changed default settings of PCH All-On Temperature and Control Temperature on DQ67EP.
- Added a warning message if a 95W TDP and above processor is installed on DQ67EP.

BIOS Version 0037 - SWQ6710H.86A.0037.2010.1222.1328

About This Release:

- December 22, 2010
- ME Firmware: 5MB SKU 7.0.0.1152 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2089 PC 14.34
- SATA RAID Option ROM: Intel(R) RAID for SATA - v10.1.0.1008
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.65

New Fixes/Features:

- Added RCFG (Remote Configuration) option to Intel® ME page.
- Updated EFI MEBx reference code.
- Updated fan speed control related settings.
- Changed the warning message displayed when entering the wrong password while changing password on the Security page in BIOS setup.
- Corrected the status of Turbo Boost Technology on the Performance page if the processor does not support it.
- Corrected the unit of transfer-rate for optical drives on the SATA Drives page in BIOS setup.
- Corrected the unit of voltage for all voltage sensors on the Fan Control & Real-Time Monitoring page in BIOS setup.
- Fixed issue where system in the operating system if certain graphics cards are installed.
- Updated the maximum system memory support to 32GB in SMBIOS type 16.
- Fixed default settings of Over-Temperature Threshold, Control Temperature, and All-On Temperature to proper values for processor temperature.

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- Fixed issue where system may halt during executing MEBx after updating SMBIOS with the specified data.
- Fixed issue where system may not boot on the first complete POST if the CMOS battery is removed.
- Fixed issue where wrong options are displayed in the Active Processor Cores setup item after selecting one value less than "All" on the 4-cores processor.
- Updated processor support.
- Fixed issue where system S3 resume fails when installing a graphics card on the PEG port (PCI-e x16 slot).
- Fixed issue where the integrated graphics display is abnormal if the IGD Primary Video Port is set to DVI-D and the IGD Secondary Video Port is set to None.
- Fixed issue where the bootup logo screen is corrupt when any prompt message/box shows during POST under RAID mode.
- Corrected HDD transfer-rate information in the SATA Drives page under RAID mode.
- Corrected the prompt text for +3.3v Standby.
- Fixed issue where the system will halt on the prompt message when changing the processor from Core i5/Core i7 to Core i3.
- Updated setup to hide the Intel® Turbo Boost Technology setup item if the processor does not support it.
- Changed the options of Active Processor Cores according to processor maximum core numbers.
- Changed the Front/Rear Fan Minimum Duty Cycle default value to 30.
- Updated ICC register locked mask.
- Changed CPU voltage value in SMBIOS type 4.

BIOS Version 0032 - SWQ6710H.86A.0032.2010.1204.0539

About This Release:

- December 4, 2010
- ME Firmware: 5MB SKU 7.0.0.1152 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2089 PC 14.34
- SATA RAID Option ROM: Intel(R) RAID for SATA - v10.1.0.1008
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.65

New Fixes/Features:

- Initial production BIOS release

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