



## BIOS Update Release Notes

### **PRODUCTS: DQ67SW, DQ67OW, DQ67EP (Standard BIOS)**

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

<b>SWQ6710H.86A.0038.2010.1227.1958 Production BIOS</b>
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**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.

<b>BIOS Version 0037 - SWQ6710H.86A.0037.2010.1222.1328</b>
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**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.
- 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.

<b>BIOS Version 0032 - SWQ6710H.86A.0032.2010.1204.0539</b>
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**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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