PRODUCTS: DQ67SW, DQ67OW, DQ67EP (Standard BIOS)

BIOS Version 0064 - SWQ6710H.86A. 0064.2012.0626.1003

About This Release:
- Date: June 26 2012
- ME Firmware: 5MB SKU 7.1.52.1176 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2132 PC 14.34
- SATA RAID Option ROM: Intel(R) RAID for SATA – v11.2.0.1527
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.95

New Fixes/Features:
- Updated processor support.
- Updated PXE binary to version 1.3.95.
- Updated RAID Option ROM to version 11.2.0.1527.
- Updated Intel® ME firmware to version 7.1.52.1176.

BIOS Version 0062 - SWQ6710H.86A.0062.2012.0418.1112

About This Release:
- Date: Apr 18 2012
- ME Firmware: 5MB SKU 7.1.40.1161 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2132 PC 14.34
- SATA RAID Option ROM: Intel(R) RAID for SATA – v11.1.0.1413
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.81

New Fixes/Features:
- Updated Intel® ME firmware to version 7.1.40.1161.
- Updated PXE to version 1.3.81.
- Updated RAID option ROM to version 11.1.0.1413.
- Updated processor support.
- Update Video BIOS to version 2132.
- Fixed issue where display F9 default is Disabled.
- Added IGD Minimum Memory option.
- Added Alternate Chassis Intrusion Header option.

BIOS Version 0061 - SWQ6710H.86A. 0061.2012.0210.1130

About This Release:
- Date: February 10, 2012
- ME Firmware: 5MB SKU 7.1.20.1119 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2119 PC 14.34
- SATA RAID Option ROM: Intel(R) RAID for SATA – v10.6.0.1091
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.72

New Fixes/Features:
- Fixed issue where system event log message appears as Flash Update Failed.
- Fixed issue where system hangs with multiple magic packets to Wake-on-LAN.
- Fixed issue where Intel ME menu is missing from BIOS Setup after reboot.

BIOS Version 0060 - SWQ6710H.86A. 0060.2011.1220.1805

About This Release:
- Date: December 20, 2011
- ME Firmware: 5MB SKU 7.1.20.1119 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2119 PC 14.34
- SATA RAID Option ROM: Intel(R) RAID for SATA – v10.6.0.1091
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.72

New Fixes/Features:
- Fixed issue where Chassis Intrusion warning message always displays.
- Fixed issue where Bluetooth not discovered when using certain mini-PCIe wireless adapter.
- Fixed issue where certain PCIe* x4 SATA adapter is not detected.

BIOS Version 0057 - SWQ6710H.86A. 0057.2011.1111.1537

About This Release:
- Date: November 11, 2011
- ME Firmware: 5MB SKU 7.1.20.1119 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2119 PC 14.34
- SATA RAID Option ROM: Intel(R) RAID for SATA – v10.6.0.1091
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.72

New Fixes/Features:
- Updated processor support.
- Fixed issue where hard drive is reported twice in BIOS.
- Reverted LAN Option ROM to version 1.3.72.

BIOS Version 0055 - SWQ6710H.86A. 0055.2011.0921.1044

About This Release:
- Date: September 21, 2011
- ME Firmware: 5MB SKU 7.1.20.1119 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2119 PC 14.34
- SATA RAID Option ROM: Intel(R) RAID for SATA – v10.6.0.1091
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.76

New Fixes/Features:
- Added flash update status indicators.

- Fixed issue where PCIe x8 RAID card is not detected intermittently on a PCIe x16 slot.
- Fixed issue where system hangs entering the operating system when an internal USB hub monitor is connected.
- Fixed issue where "keyboard not found" error occurs during POST when keyboard is connected along with certain webcam.

BIOS Version 0054 - SWQ6710H.86A. 0054.2011.0815.1459

About This Release:
- Date: August 15, 2011
- ME Firmware: 5MB SKU 7.1.20.1119 Production
- MEBx Code: Based on Version 7.0.0.0053
- Integrated Graphics Option ROM: Build 2119 PC 14.34
- SATA RAID Option ROM: Intel(R) RAID for SATA – v10.6.0.1091
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.76

New Fixes/Features:
- Fixed issue where system fails to enable MWAIT and fast strings.
- Updated PXE binary to revision: 1.3.76.
- Updated VBIOS to the revision 2119.
- Updated processor support.
- Updated Intel® ME FW to 7.1.20.1119.
- Updated RAID Option Rom to 10.6.0.1091.
- Fixed issue where certain PCIe x1 internal SATA card not detected when plugged into x16 slot.
- Fixed issue where system hangs at splash screen with certain RAID card installed.
- Added support for Microsoft* OEM Activation 3.0

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

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

- 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

Note:
Due to adding BIOS setup variables, user default settings will be
cleared after updating to BIOS version 0052. We recommend you manually
record all BIOS settings that have been changed (from default) so they
can be restored after completing the BIOS update.

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
- 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:
  o BIOS incorrectly calculating Tcontrol.
  o Processor temperature thresholds higher than TCC Assertion
    Temperature.
  o 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.
- 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.
- 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.
- 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.

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BIOS Version 0032 - SWQ6710H.86A.0032.2010.1204.0539
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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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