



BIOS Update Release Notes

PRODUCTS: DQ77KB (Standard BIOS)

BIOS Version 0061 - KBQ7710H.86A.0061.2018.1025

About This Release:

- Date: October 25, 2018
- ME Firmware: 8.1.71.3608
- Integrated Graphics Option ROM: 2137 PC 14.34
- SATA RAID Option ROM: v11.6.0.1702
- LAN Option ROM: v1376 PXE 2.1 Build 090
- MEBx Code: Based on Version 8.0.0.0066

New Fixes/Features:

- Updated CPU Microcode (Security Advisory-00115)

BIOS Version 0060 - KBQ7710H.86A.0060.2018.0329.1447

About This Release:

- Date: March 29, 2018
- ME Firmware: 8.1.71.3608
- Integrated Graphics Option ROM: 2137 PC 14.34
- SATA RAID Option ROM: v11.6.0.1702
- LAN Option ROM: v1376 PXE 2.1 Build 090
- MEBx Code: Based on Version 8.0.0.0066

New Fixes/Features:

- Updated CPU Microcode (Security Advisory-00088)

BIOS Version 0059 - KBQ7710H.86A.0059.2017.0526.1645

About This Release:

- Date: May 26, 2017
- ME Firmware: 8.1.71.3608
- Integrated Graphics Option ROM: 2137 PC 14.34
- SATA RAID Option ROM: v11.6.0.1702
- LAN Option ROM: v1376 PXE 2.1 Build 090
- MEBx Code: Based on Version 8.0.0.0066

New Fixes/Features:

- Updated Intel® ME firmware to version 8.1.71.3608.

BIOS Version 0058 - KBQ7710H.86A.0058.2015.0729.1616

About This Release:

- Date: July 29, 2015
- ME Firmware: 8.1.20.1336
- Integrated Graphics Option ROM: 2137 PC 14.34

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

- SATA RAID Option ROM: v11.6.0.1702
- LAN Option ROM: v1376 PXE 2.1 Build 090
- MEBx Code: Based on Version 8.0.0.0066

New Fixes/Features:

- Fixed issue where no video is displayed if monitor is connected after boot.

BIOS Version - KBQ7710H.86A.0057.2015.0615.1114

About This Release:

- Date: June 21, 2015
- ME Firmware: 8.1.20.1336
- Integrated Graphics Option ROM: 2137 PC 14.34
- SATA RAID Option ROM: v11.6.0.1702
- LAN Option ROM: v1376 PXE 2.1 Build 090
- MEBx Code: Based on Version 8.0.0.0066

New Fixes/Features:

- Implemented security enhancement solution.

BIOS Version 0056 - KBQ7710H.86A.0056.2014.0821.1420

About This Release:

- Date: August 21, 2014
- ME Firmware: 8.1.20.1336
- Integrated Graphics Option ROM: 2137 PC 14.34
- SATA RAID Option ROM: v11.6.0.1702
- LAN Option ROM: v1376 PXE 2.1 Build 090
- MEBx Code: Based on Version 8.0.0.0066

New Fixes/Features:

- Fixed issue where onboard LAN controller fails and shows an error in Device Manager.
- Fixed issue where dimming control does not work with eDP panels.
- Fixed issue where boot order cannot be changed.

BIOS Version 0055 - KBQ7710H.86A.0055.2014.0728.1401

About This Release:

- Date: July 28, 2014
- ME Firmware: 8.1.20.1336
- Integrated Graphics Option ROM: 2137 PC 14.34
- SATA RAID Option ROM: v11.6.0.1702
- LAN Option ROM: v1376 PXE 2.1 Build 090
- MEBx Code: Based on Version 8.0.0.0066

New Fixes/Features:

- Fixed issue where onboard LAN controller disappears.
- Fixed issue where system cannot boot to Steam OS*.
- Enhanced the protection of certain UEFI variables as described in Intel Security Advisory INTEL-SA-00038.

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BIOS Version 0053 - KBQ7710H.86A.0053.2013.1206.1031

About This Release:

- Date: December 6, 2013
- ME Firmware: 8.1.20.1336
- Integrated Graphics Option ROM: 2137 PC 14.34
- SATA RAID Option ROM: v11.6.0.1702
- LAN Option ROM: v1376 PXE 2.1 Build 090
- MEBx Code: Based on Version 8.0.0.0066

New Fixes/Features:

- Fixed issue with DMI variables, "Setup Data", "DMI Data", and "UUID".
- Added token to define variable name.

BIOS Version 0052 - KBQ7710H.86A.0052.2013.0708.1336

About This Release:

- Date: July 8, 2013
- ME Firmware: 8.1.20.1336
- Integrated Graphics Option ROM: 2137 PC 14.34
- SATA RAID Option ROM: v11.6.0.1702
- LAN Option ROM: v1376 PXE 2.1 Build 090
- MEBx Code: Based on Version 8.0.0.0066

New Fixes/Features:

- Fixed issue where certain TV tuner does not work.
- Fixed issue where LAN devices need different SMBIOS Device Type Instance values; set Device Type Instance (DTI) to 2 for the second LAN device.

BIOS Version 0051 - KBQ7710H.86A.0051.2013.0329.1350

About This Release:

- Date: March 29, 2013
- ME Firmware: 8.1.20.1336
- Integrated Graphics Option ROM: 2137 PC 14.34
- SATA RAID Option ROM: v11.6.0.1702
- LAN Option ROM: v1376 PXE 2.1 Build 090
- MEBx Code: Based on Version 8.0.0.0066

New Fixes/Features:

- Fixed issue where brightness control does not work.
- Fixed issue where the sensor threshold's proposed value does not match the active value in BIOS after making changes in Intel® Desktop Utilities.
- Added "Install PK key setup" option in BIOS Setup.

BIOS Version 0049 - KBQ7710H.86A.0049.2013.0130.1732

About This Release:

- Date: January 30, 2013
- ME Firmware: 8.1.20.1336
- Integrated Graphics Option ROM: 2137 PC 14.34

- SATA RAID Option ROM: v11.6.0.1702
- LAN Option ROM: v1376 PXE 2.1 Build 090
- MEBx Code: Based on Version 8.0.0.0066

New Fixes/Features:

- Fixed issue with TPM default setting.
- Fixed issue where Hard Disk Drive Password prompt does not work.
- Fixed issue where after enabling "Force Secure Boot defaults" three keys disappear and Secure Boot Mode is still "Custom".
- Fixed issue where certain bootable hard drive is displayed as "Unknown" in F10 mode.
- Fixed issue where Ctrl-P does not provide access to MEBX Setup when Video Optimization is enabled.

BIOS Version 0048 - KBQ7710H.86A.0048.2013.0108.1855

About This Release:

- Date: January 8, 2013
- ME Firmware: 8.1.20.1336
- Integrated Graphics Option ROM: 2137 PC 14.34
- SATA RAID Option ROM: v11.6.0.1702
- LAN Option ROM: v1376 PXE 2.1 Build 090
- MEBx Code: Based on Version 8.0.0.0066

New Fixes/Features:

- Fixed issue with no Audio Beep sound.
- Added IGD Flat Panel item in Intel® Integrator Toolkit.
- Fixed issue where blank screen appears in operating system when set to UEFI and LVDS is disabled.
- Added support for 1066 MHz memory.
- Fixed issue with POST logo resolution when using certain legacy video cards.
- Fixed issue where the Password Prompt is not required when Chassis Intrusion is set to Log Only.
- Fixed issue where system halts with permission message and USB keyboard is not available when doing power button recovery with a customized BIOS.
- Fixed RAID issues:
 - Prompt 'Create Volume Fail' error occurs when entering BIOS setup when Secure Boot is enabled and SATA Mode is set to RAID.
 - The BIOS Setup options for UEFI RAID driver/OPROM do not work correctly: only RAID Volume information shows if volumes were previously created but cannot create, delete, or manage it.
- Fixed issue with Secure Boot with non-compliant legacy video card installed.
- Fixed issue with certain TV tuner card.
- Fixed issue with certain video capture card.
- Updated VBIOS to fix issue where there is no display in DOS.
- Updated Intel® ME 8 firmware to version 8.1.20.1336.
- Updated RAID option ROM to version 11.6.0.1702.

BIOS Version 0046 - KBQ7710H.86A.0046.2012.1122.1629

About This Release:

- Date: November 22, 2012
- ME Firmware: 8.1.2.1318
- Integrated Graphics Option ROM: 2137 PC 14.34
- SATA RAID Option ROM: v11.5.0.1111
- LAN Option ROM: v1376 PXE 2.1 Build 090
- MEBx Code: Based on Version 8.0.0.0066

New Fixes/Features:

- Fixed issue where User Password will be generated again if pressing F9 to load BIOS default values.
- Fixed issue where the Password Prompt is not required when Chassis Intrusion is set to Log Only, if just the Supervisor Password is installed.
- Fixed issue where BIOS recovery fails if using a BIOS image altered with Intel® Integrator Toolkit.
- Fixed issue with USB 3.0 device.
- Updated processor support.
- Fix issue with legacy video cards when Secure Boot is enabled.
- Changed behavior for boot order - now user can still change boot order in BIOS setup after a custom boot order has been set by ITK.
- Added missing jumper detection function.

BIOS Version 0045 - KBQ7710H.86A.0045.2012.1031.1638

About This Release:

- Date: October 31, 2012
- ME Firmware: 8.1.2.1318
- Integrated Graphics Option ROM: 2137 PC 14.34
- SATA RAID Option ROM: v11.5.0.1111
- LAN Option ROM: v1376 PXE 2.1 Build 090
- MEBx Code: Based on Version 8.0.0.0066
- 3rd Generation EFI driver: 3.0.1018
- 2nd Generation EFI driver: 3.0.1018

New Fixes/Features:

- Added Trusted Platform Module Presence option in Setup.
- Removed "Generate New Platform Key" option in Setup.
- Fixed issue with LAN packet drop.
- Fixed issue with IDE-R.

BIOS Version 0044 - KBQ7710H.86A.0044.2012.1019.1704

About This Release:

- Date: October 19, 2012
- ME Firmware: 8.1.2.1318
- Integrated Graphics Option ROM: 2137 PC 14.34
- SATA RAID Option ROM: v11.5.0.1111
- LAN Option ROM: v1376 PXE 2.1 Build 090
- MEBx Code: Based on Version 8.0.0.0066

New Fixes/Features:

- Updated Intel® ME 8 firmware to version 8.1.2.1318.

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- Updated MEBx to version 8.0.0.0066.
- Updated processor support.
- Fixed issue with setup display when using SOL.
- Added support for Windows 8*.
- Updated VBIOS to version 2137 PC 14.34.

BIOS Version 0043 - KBQ7710H.86A.0043.2012.0830.1126

About This Release:

- Date: August 30, 2012
- ME Firmware: 8.0.13.1502
- Integrated Graphics Option ROM: 2132 PC 14.34
- SATA RAID Option ROM: v11.5.0.1111
- LAN Option ROM: v1376 PXE 2.1 Build 090
- MEBx Code: Based on Version 8.0.0.0063

Note:

When using KB0043.BIO with the Intel® Integrator Toolkit (ITK) version 5.0.0, these errors may occur:

- **Error: Unsupported Logo.**
- **The opened BIOS does not have this support.**

If you need to use ITK version 5.0.0 to customize the BIOS for Intel® Desktop Board DQ77KB, do not update to BIOS version 0053. This problem will be fixed in ITK version 5.0.1 and later.

New Fixes/Features:

- Fixed issue where "Press 2" prompt is displayed when updating BIOS with a custom BIOS from Intel® Integrator Toolkit.
- Fixed issue where the error message "CMOS Checksum error" displays when drive is encrypted.
- Fixed issue with UEFI Linux* installation.
- Added setup item "Memory Reference Multiplier".
- Added setup item "Direct Application Launch Button".

BIOS Version 0042 - KBQ7710H.86A.0042.2012.0726.2015

About This Release:

- Date: July 26, 2012
- ME Firmware: 8.0.13.1502
- Integrated Graphics Option ROM: 2132 PC 14.34
- SATA RAID Option ROM: v11.5.0.1111
- LAN Option ROM: v1376 PXE 2.1 Build 090
- MEBx Code: Based on Version 8.0.0.0063

New Fixes/Features:

- Fixed issue where SMBIOS writes to System Serial Number string is not working after previous writes to Manufacturer string.
- Fixed issue where BIOS cannot perform IDE-R.
- Fixed issue where user cannot set Fan responsiveness value in BIOS.
- Fixed issue with Windows* XP SLP 1.0 Activation.
- Added the visible way to enter MEBx.
- Fixed issue where BIOS SATA mode changes to IDE mode after BIOS recovery.
- Updated Intel® ME firmware to version 8.0.13.1502.

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BIOS Version 0040 - KBQ7710H.86A.0040.2012.0608.1605

About This Release:

- Date: June 8, 2012
- ME Firmware: 8.0.10.1464
- Integrated Graphics Option ROM: 2132 PC 14.34
- SATA RAID Option ROM: v11.5.0.1111
- LAN Option ROM: v1376 PXE 2.1 Build 090
- MEBx Code: Based on Version 8.0.0.0063

New Fixes/Features:

- Updated BIOS to allow special characters for passwords.
- Fixed issue where the Hide All option does not work for the Expansion Card Text setting in BIOS.
- Fixed issue where L2 cache is incorrect.
- Fixed issue where Supervisor password is still listed and in locked state with full access level.
- Fixed issue with Hard Disk Pre-Delay.
- Fixed issue where there is no Intel® Graphics Performance Analyzers on the Video page in BIOS.
- Fixed issue where IGD Minimum Memory is not listed in BIOS and IGD DVMT Memory is listed in BIOS
- Updated Intel® ME 8 firmware to version 8.0.10.1464.
- Updated MEBx to version 8.0.0.0063.

BIOS Version 0038 - KBQ7710H.86A.0038.2012.0425.1537

About This Release:

- Date: April 25, 2012
- ME Firmware: 8.0.10.1451
- Integrated Graphics Option ROM: 2132 PC 14.34
- SATA RAID Option ROM: v11.0.0.1204
- LAN Option ROM: v1376 PXE 2.1 Build 090
- MEBx Code: Based on Version 8.0.0.0062

New Fixes/Features:

- Initial production BIOS release

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