



## BIOS Update Release Notes

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### PRODUCTS: DQ45CB, DQ45EK (Standard BIOS)

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<b>BIOS Version 0073</b>
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**About This BIOS:**

- January 22, 2009
- CBQ4510H.86A.0073.2009.0122.1353
- GBE firmware bin version: ICH10D\_82567LM\_A0
- PXE Option Rom file: Intel UNDI,PXE-2.1 kit387754 (build 086)
- VBIOS info: Build Number:1704
- ME Version: 8.5.0.2.1122
- RAID Option Rom version: 8.6.0.1007

**New Fixes/Features:**

- Fixed issue where system is not able to boot from USB optical drive.
- Fixed issue where system hangs with certain graphics cards.
- Updated the Fan Control implementation.
- Corrected the ICH10 Temperature Reading method from IQST.
- Implemented the F7 BIOS Update Tool.
- Changed the SOL copyright from "2004-2007" to "2004-2008".

<b>BIOS Version 0069</b>
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**About This BIOS:**

- December 08, 2008
- CBQ4510H.86A.0069.2008.1208.1458
- GBE firmware bin version: ICH10D\_82567LM\_A0
- PXE Option Rom file: Intel UNDI,PXE-2.1 kit387754 (build 086)
- VBIOS info: Build Number:1704
- ME Version: 8.5.0.1.1122
- RAID Option Rom version: 8.6.0.1007

**New Fixes/Features:**

- Fixed issue where Intel® Desktop Utilities shows incorrect value for Memory Slots.
- Fixed WHQL issue on DQ45CB - Vista 32: TPM TCG Integration Test, do not wait for user for any HOT key and automatically select F10 behavior.
- Fixed issue where BIOS should allow headless operation - if keyboard/mouse not found, the system should not pause in POST.
- Fixed issue where user settings in Set Sensor Threshold page should not revert to default value after system reboot.
- Implemented the functions of Fan Control > Automatic Fan Detection item in Setup menu.

**Note:**

Express BIOS Update and iFlash can not flash from a BIOS version later than 0061 back to 0061 or earlier due to the Intel® ME firmware update.

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

**About This BIOS:**

- November 27, 2008
- CBQ4510H.86A.0067.2008.1127.1732
- GBE firmware bin version: ICH10D\_82567LM\_A0
- PXE Option Rom file: Intel UNDI,PXE-2.1 kit387754 (build 086)
- VBIOS info: Build Number:1704
- ME Version: 8.5.0.1.1122
- RAID Option Rom version: 8.6.0.1007

**New Fixes/Features:**

- Fixed issue where Windows\* does not resume properly if serial ATA is configured for RAID.
- Fixed issue where no PECI information is displayed for Celeron 4xx CPUs.
- Fixed issue there system will hang during POST with certain graphics cards.
- Fixed issue where chassis type is not pre-programmed.
- Fixed issue where Intel® Desktop Utilities shows incorrect values for memory slots.
- Added workaround for issue if iQST is disabled in MEBX, the system will stay a long time on the Hardware Monitoring screen.
- Fixed bouncing ball XML issue
- Implemented the QST Lock/Unlock function in maintenance mode.
- Fixed issue where UEFI Windows halts during shutdown.
- Fixed issue where the default year restores to 2004 in the Event Log after clearing CMOS.
- Updated setup strings.
- Changed ASPM L0 to disable.
- Fixed issue with display of High Definition Front Panel Audio.
- Fixed issue where RMRESTOR utility hangs with himem.sys loaded.
- Fixed issue where itoolkitw.exe does not work to flash the BIOS in WinPE.
- Fixed issue where iFlash fails when Intel ME is disabled in MEBX configuration.
- Fixed issue where system hangs after F10 is pressed to select boot device.
- Updated chipset porting code according to spec v1.04
- Updated iQST thermal profile.
- Updated vBIOS to V1704.
- Updated CPU temperature string at Hardware monitor page.
- Update ME firmware to 1122.
- Updated RAID option ROM to v8.6.0.1007.
- Fixed poor iQST performance.
- Set PAVP default to Lite and hidden.
- Removed "Size" item of USB Mass Storage Emulation Type.
- Added ESataEnableLockHide variable in SETUP\_DATA.
- Removed the string display on the screen when NVRAM checksum errors after iFlash.
- Fixed issue with the iFlash /md command.

**Note:**

Express BIOS Update and iFlash can not flash from a BIOS version later than 0061 back to 0061 or earlier due to the Intel® ME firmware update.

## BIOS Version 0061

### About This BIOS:

- October 10, 2008
- CBQ4510H.86A.0061.2008.1010.1506
- GBE firmware bin version: ICH10D\_82567LM\_A0
- PXE Option Rom file: Intel UNDI,PXE-2.1 kit387754 (build 086)
- ME Version: 8.5.0.1.1111
- RAID Option Rom version: 8.5.2.1002

### New Fixes/Features:

- Fixed the issue that the descriptor region can not be updated when doing BIOS recovery.
- Fixed issue that enabling TXT in BIOS will cause system to hang during POST after update the system BIOS through Iflash.
- Fixed issue that EFI operating system can not be installed when set to RAID mode.
- Fixed issue that system will have a very poor performance when boot with 8 GB memory and PCIE X16 graphic card.
- Fixed issue where OA2 test fails.
- Fixed issue where system hangs with certain 3<sup>rd</sup> party graphics card.
- Fixed issue where system will show a CMOS checksum error warning message after the TPM is initialized.
- Fixed issue where the system can not power up automatically when performing the TCG test with WHQL.
- Fixed issue where AMT web interface doesn't report disk information when SATA is set to RAID mode.
- Fixed issue where when in SOL boot to BIOS, pressing F10 brings up exit without saving changes instead of save changes and exit.
- Added patch for the issue of GATE A20 can not open.
- Fixed Intel® Integrator Toolkit (ITK) issue where flash fails from CBU execution.
- Fixed issue where ITK server does not correctly report BIOS flashing result when flashing process fails.
- Changed the SMBUS clock from 100KHz to 80KHz.
- Updated MRC to version 2.50
- Updated AMT and chipset porting code according to the latest CRB code.
- Disabled VE.

## BIOS Version 0059

### About This BIOS:

- August 25, 2008
- CBQ4510H.86A.0059.2008.0825.1655
- GBE firmware bin version: ICH10D\_82567LM\_A0
- PXE Option Rom file: Intel UNDI,PXE-2.1 kit387754 (build 086)
- ME Version: 8.5.0.1.1111
- RAID Option Rom version: 8.5.2.1002

### New Fixes/Features:

- Fixed issue where changing the memory configuration by adding or removing one or more DIMMs, the system does not detect the current memory configuration properly.
- Added the patch for NvRam backup solution.

- Enabled PDR Region in Fitc configuration table.
- Fixed issue where system will always do full reset when clearing CMOS.
- Fixed issue where after BIOS is updated by iFlash or Express BIOS Update, enabling ITPM, ITXT and VTD will cause system hang at post code EB.
- Fixed issue where processor information is incorrect.
- Fixed issue when setting Intel® ME Power package as 3 and After Power Failure as Last State, then enter S3 state, remove the system power and then plug in, the system does not boot.
- Fixed issue where installing any password (User or Administrator), the Intel® ME fails.
- Changed iQST display frequency to 1 second.
- Fixed issue where the ME recovery function does not find any USB mass storage.
- Corrected the SATA Rapid recovery Oprom and SATA RAID Oprom.
- Fixed issue where the system will lose one or more devices attached on the SATA ports when it is in RAID Mode.
- Fixed issue where system can not perform auto recovery when update BIOS fails.
- Added the AMT setup 2.1 function.
- Fixed the VPRO PET test fail issue.
- Fixed issue when typing a valid password 3 times, CTRL+ALT+DEL still can perform a system reset.
- Fixed issue where Chassis Intrusion message will be shown twice.

<b>BIOS Version 0051</b>
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**About This BIOS:**

- August 13, 2008
- CBQ4510H.86A.0051.2008.0813.2253
- GBE firmware bin version: ICH10D\_82567LM\_A0
- PXE Option Rom file: Intel UNDI,PXE-2.1 kit387754 (build 086)
- ME Version: 8.5.0.1.1111
- RAID Option Rom version: 8.5.2.1002

**New Fixes/Features:**

- Initial production BIOS release

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