



BIOS Update Release Notes

PRODUCTS: DQ965CO, DQ965GF, DQ965WC (Standard BIOS)

BIOS Version 4713

About This Release:

- August 28, 2006
- CO96510J.86A.4713.2006.0828.1752
- VBIOS info: Build Number: 1371 PC 14.18 08/11/2006 17:22:22.
- SATA RAID info: Intel(R) RAID for SATA - v6.1.0.1002
- SATA AHCI info: Version UPSD src 05-08-2006
- PXE Nahum info: Intel(R) Boot Agent GE v1.2.40 Beta-5

New Fixes/Features:

- Added feature that supports dual monitor between IGD and x1 PEG card for systems that do not have onboard DVI connector.
- Added LT support

BIOS Version 4673

About This Release:

- August 25, 2006
- CO96510J.86A.4673.2006.0825.1113
- VBIOS info: Build Number: 1371 PC 14.18 08/11/2006 17:22:22.
- SATA RAID info: Intel(R) RAID for SATA - v6.1.0.1002
- SATA AHCI info: Version UPSD src 05-08-2006
- PXE Nahum info: Intel(R) Boot Agent GE v1.2.40 Beta-5

New Fixes/Features:

- iAMT: Added support for RCO "Configuration Data Reset" option when booting in SOL mode.
- iAMT: Support RCO command to Lock Keyboard in BIOS Setup when using SOL.
- iAMT: Added Remote Force HDD boot capability.
- iAMT: Force Always Enable LAN when running in ASF or iAMT manageability mode.
- Fixed Green Bar glitch at DOS boot when SOL is enabled.
- Fixed SMBIOS Type0, Type8, Type9 structures.
- iAMT: Fixed web interface 'Disk' view not showing correct disk size.
- iAMT: Fixed Password required to be redundantly changed when not in iAMT mode.
- Fixed issue where Setup incorrectly displayed processor frequency as 3.6GHz instead of 3.06GHz.
- Fixed issue where USB keyboard was sometimes not functional in BIOS SETUP if attached USB mouse is moved during BIOS SETUP.
- Fixed Setup Time field corruption with SOL.
- Changed HECI failure event message.
- Added support to allow Flash update as per RCO Flash permission & provisioning detection.
- Fixed no BIOS SETUP text in Hyperterminal after first remote iAMT SOL request to enter BIOS SETUP.
- Fixed delay seen when booting to iAMT 2.0 IDER devices.
- Fixed issue where operating system could not initialize TPM 1.2 for BitLocker support.

- Add workaround to reset if write to clock hangs On systems with the Silego clock.
- Fixed the issue where AFSC configuration is not updated after BIOS update.
- Fixed the issue where AFSC always enable all FanTach during each boot.
- Workaround for AFSC subsystem not getting configured issue.
- Added RCO flash permissions, provisioning detection, and global reset after recovery.
- Workaround issue where PCI slot clock not turned on if system not gone through AC cycling.
- Added workaround for Silego CK505 Clock to address issue where certain FSB Overrides would not properly latch.
- Added code to make sure clock is not in full reset mode before doing any setting.
- Fixed an issue where Rev D and newer clock part is not detected correctly.
- Added ability to update ME image through EBU.
- Fixed the issue where Boot Menu will not display correctly after F9 Load Default under certain scenarios.
- Fixed a potential issue that system not loading normal default after manufacturing mode.
- Fixed issue where system not able to shutdown if wake on LAN is set to stay off in BIOS setup.
- Fixed issue where BIOS not correctly detect type of LAN during LAN init.
- Fixed a problem where the system would boot without video when setup option was set to default video device is PCI and no PCI video card was present.
- Fixed continuous reset issues with unlocked CPUs.
- Workaround issue where system hang at POST code 0x13 if system reset is performed during LAN init at PEI stage 1.
- Fixed a problem where the system did not wake up from PING if the network card was inserted in the PEG slot (off the MCH).
- Fixed a problem where the setup options for floppy, LPT, number of SATA ports, etc. did not display correctly on legacy free boards.
- Added "FSB Latch" Setup Option.
- Skip "The Express BIOS update has completed successfully." dialog box when EBU runs in silent mode.
- Fix to resolve the USB HID keyboard typematic issue.
- Fixed issue where the upper portion of the F000 shadow memory region was being set to Read-Only during POST legacy-free USB initialization.

BIOS Version 4462

About This Release:

- August 4, 2006
- CO96510J.86A.4462.2006.0804.2059
- VBIOS info: Build Number: 1348 PC 14.18 06/22/2006 11:01:34.
- SATA RAID info: Intel(R) RAID for SATA - v6.1.0.1002
- SATA AHCI info: Version UPSD src 05-08-2006
- PXE Nahum info: Intel(R) Boot Agent GE v1.2.40 Beta-5

New Fixes/Features:

- Initial production bios release

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