PRODUCTS: D975XBX2 (Standard BIOS)

BIOS Version 2618

About This BIOS:
- February 12, 2007
- BX97520J.86A.2618.2007.0212.0954
- SATA RAID info:
    - Intel(R) RAID for SATA - v5.6.2.1002
    - Marvell 88SE6145 SATA BIOS – v1.1.0.34
- PXE UNDI: Initializing Intel(R) Boot Agent GE v1.2.28
- PXE Base Code: Intel(R) Boot Agent GE v1.2.42
- Intel® Active Management Technology info:
    - Intel® AMT BX Firmware: v1.2.3

New Fixes/Features:
- Updated Microsoft Vista* support for STAC9227 and STAC9274D Audio Codecs.
- Fixed boot order for SCSI HDD with certain SCSI controllers.
- Adding Serial Port enable/disable setup question in Standard BIOS.
- Added programming of PCI Subsystem Vendor ID and Subsystem ID for the PCIe Graphics bridge.
- Fixed issue where system would not boot after installing a Vista* OEM Activation string.
- Fixed issue where certain host bus adapter card was not functional.
- Added code to program the OEM SVID and SSID for onboard Marvell* controller.
- Reduced S3 resume time related to processor detection.
- Fixed issue where 64-bit operating system installs would blue screen with certain processors.

BIOS Version 2507

About This BIOS:
- January 23, 2007
- BX97520J.86A.2507.2007.0123.0952
- SATA RAID info:
    - Intel(R) RAID for SATA - v5.6.2.1002
    - Marvell* 88SE6145 SATA BIOS – v1.1.0.34
- PXE UNDI: Initializing Intel(R) Boot Agent GE v1.2.28
- PXE Base Code: Intel(R) Boot Agent GE v1.2.42
- Intel® Active Management Technology info:
    - Intel® AMT BX Firmware: v1.2.3

New Fixes/Features:
- Fixed issue where ECC Mode was not properly displayed when Performance Memory Profiles set to Manual in BIOS Setup.

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- Added workaround for HDD LED always being lit when Secondary SATA Controller is disabled in BIOS Setup.
- Fixed boot order for add-in SCSI controller.
- Added support for certain SAS controller.
- IRQ Fix for USB Interrupts.
- Fixed failures seen with Vista* DTM BitLocker Drive Encryption BIOS Interface Logo Test.
- Fixed issue where Microsoft* Vista BitLocker System Check would not pass.
- Fixed issue where system would not recognize CTRL+ALT+DEL key sequence from boot cycling machine.
- Fixed failures with the TCG ACPI Event Log when running the Vista DTM TCG TPM BIOS Interface Test.
- Fixed issue where system hangs when trying to load FreeDOS* bootable CD from a USB CD drive.
- Fixed ACPI failures when running the Vista DTM TCG TPM Integration Test.

BIOS Version 2431

About This BIOS:
- January 11, 2007
- BX97520J.86A.2431.2007.0110.1629
- SATA RAID info:
    - Intel(R) RAID for SATA - v5.6.2.1002
    - Marvell 88SE6145 SATA BIOS – v1.1.0.34
- PXE UNDI: Initializing Intel(R) Boot Agent GE v1.2.28
- PXE Base Code: Intel(R) Boot Agent GE v1.2.42
- Intel® Active Management Technology info:
    - Intel® AMT BX Firmware: v1.2.3

New Fixes/Features:
- Added Hardware Watchdog Timer feature
- Fixed display of L2 Cache in BIOS Setup for multi-core processors
- Added "HPET Enable/Disable" BIOS setup option and set default state to "Disable"
- Fixed calculation and display of the nominal (TCL-TRCD-TRP-TRASMin) memory timing values in BIOS Setup
- Fixed issue where certain processors would not resume from standby

BIOS Version 2395

About This BIOS:
- December 20, 2006
- BX97520J.86A.2395.2006.1220.1100
- SATA RAID info:
    - Intel(R) RAID for SATA - v5.6.2.1002
    - Marvell 88SE6145 SATA BIOS – v1.1.0.34
- PXE UNDI: Initializing Intel(R) Boot Agent GE v1.2.28
- PXE Base Code: Intel(R) Boot Agent GE v1.2.42
- Intel® Active Management Technology info:
    - Intel® AMT BX Firmware: v1.2.3

New Fixes/Features:

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- Added feature to always display the latest event's date and time of event log.
- Fixed a problem where the system would boot to the wrong boot device in AHCI or RAID mode.
- Fixed a problem where the setup option for Floppy did not display correctly.
- Fixed the potential issue where all fans are on 100% when CPU is changed.
- Fixed the display alignment of the output values on the BIOS setup hardware monitoring page.
- Fixed the display of negative value on BIOS setup Hardware Monitoring Page with some CPUs.
- Added work-around for IDE-R 6 hour open session issue in a host software package.
- Fixed system continues to boot to next bootable device when no IDER media present during AMT IDER & SOL session.
- Fixed issue where POST errors may be displayed during Maintenance Mode boot.
- Fixed issue where system hangs after AC Loss if the Reference Frequency is overridden.
- Hide "Clear TPM" option in Maintenance setup page if TPM is not enabled or not supported.
- Fixed issue where Intel® Audio Studio does not launch with 3GB Memory and certain PCI-E video card.
- Removed USB 2.0 Enable/Disable question from setup.
- Fixed AMT system only able to provision when USB device is present.
- Fixed issue where TPM Physical Presence was not cleared and locked intermittently at the end of POST.
- Added fix to eliminate fan speed surge after reset.
- Fixed issue where Vista would hang during boot on systems with Atmel TPM if the TPM was enabled in BIOS SETUP.
- New PXE Base code : Intel(R) Boot Agent GE v1.2.42

BIOS Version 2333

About This BIOS:
- November 27, 2006
- BX97520J.86A.2333.2006.1127.1450
- SATA RAID info:
  - Intel(R) RAID for SATA – v5.6.2.1002
  - Marvell* 88SE6145 SATA BIOS – v1.1.0.34
- Initializing Intel(R) Boot Agent GE v1.2.28
- Intel® Active Management Technology info:
  - Intel® AMT BX Firmware: v1.2.3

New Fixes/Features:
- Fixed issue where ICH7 controller would not come up in the proper mode in certain circumstances.

BIOS Version 2330

About This BIOS:
- November 16, 2006
- BX97520J.86A.2330.2006.1116.1034
- SATA RAID info:

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- Intel(R) RAID for SATA - v5.6.2.1002
- Marvell* 88SE6145 SATA BIOS – v1.1.0.34
- Initializing Intel(R) Boot Agent GE v1.2.28
- Intel® Active Management Technology info:
  - Intel® AMT BX Firmware: v1.2.3

New Fixes/Features:
- Fixed issue where "Clear BIOS Passwords" feature in Maintenance Page of BIOS Setup was not working.
- Updated Marvell* 88SE6145 Option ROM to version 1.1.0.34.
- Fixed issue where BIOS Setup defaults would overwrite current user settings when entering Maintenance Mode.
- Added Microsoft* Vista* support for STAC9227 and STAC9274D audio codecs.
- Expanded overclocking functionality.
- Added IDCC version 2.02 support.
- Fixed an issue where auto-recovery from a corrupt image wasn't working.
- Fixed fan speed surge during initial power on.
- Fixed higher than normal Fan noise with certain processors.
- Fixed potential issue where Fan speed stuck at 100%.
- Fixed issue where attempting to use the One Time Boot Menu appeared to hang POST.
- Fixed issue where Recovery status screen is blank.

BIOS Version 2214

About This BIOS:
- October 23, 2006
- BX97520J.86A.2214.2006.1023.1710
- SATA RAID info:
  - Intel(R) RAID for SATA - v5.6.2.1002
  - Marvell* 88SE6145 SATA BIOS – v1.1.0.17
- Initializing Intel(R) Boot Agent GE v1.2.28
- Intel® Active Management Technology info:
  - Intel® AMT BX Firmware: v1.2.3

New Fixes/Features:
- Fixed issue where Marvell* SATA Controller is Disabled by default on first board boot.

BIOS Version 2212

About This BIOS:
- October 21, 2006
- BX97520J.86A.2212.2006.1021.1659
- SATA RAID info:
  - Intel(R) RAID for SATA - v5.6.2.1002
  - Marvell* 88SE6145 SATA BIOS – v1.1.0.17
- Initializing Intel(R) Boot Agent GE v1.2.28
- Intel® Active Management Technology info:
  - Intel® AMT BX Firmware: v1.2.3

New Fixes/Features:
- Improved overclocking headroom in some cases.

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- Fixed potential POST hang.
- Fixed intermittent hang when margining the host clock.
- Supports OEM Activation 2.0. For details on the OEM Activation Program, send email to oasignh@microsoft.com
- Fixed the corrupted display which shows incorrect digits of RPM for fans when they are stopped.
- Fixed PCIe frequency margining not working in some cases.
- Fixed issue where S3 did not work with certain processors.
- Fixed issue where operating system installation would blue screen with certain processors.

BIOS Version 1846

About This BIOS:
- September 29, 2006
- BX97520J.86A.1846.2006.0929.0913
- SATA RAID info:
    - Intel(R) RAID for SATA – v5.6.2.1002
    - Marvell* 88SE6145 SATA BIOS – v1.1.0.17
- Initializing Intel(R) Boot Agent GE v1.2.28
- Intel® Active Management Technology info:
    - Intel® AMT BX Firmware: v1.2.3

New Fixes/Features:
- Initial production bios release

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