PRODUCTS: DX38BT, DX48BT2 (Standard BIOS)

BIOS Version 1521

About This Release:
- March 18, 2008
- BTX3810J.86A.1521.2008.0318.1426
- SATA RAID info:
  Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
  Version UPSD src 12-03-2007 for ICH9
- PXE Nahum info:
  Intel(R) Boot Agent GE v1.2.50

New Fixes/Features:
- Fixed Audio Codec SSID not being programmed after resume from S3.
- Updated processor support.
- Add additional memory timing options in BIOS setup.
- Updated support to select the appropriate voltage based on CPU and FSB speed.
- Updated support for DDR3-1600 memory.

BIOS Version 1513

About This Release:
- March 04, 2008
- BTX3810J.86A.1513.2008.0304.1726
- SATA RAID info:
  Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
  Version UPSD src 12-03-2007 for ICH9
- PXE Nahum info:
  Intel(R) Boot Agent GE v1.2.50
- ME firmware build: None

New Fixes/Features:
- Updated MRC X38 v1.40 / X48 v1.20.
- Updated CPU VRef default values in automatic mode.
- Updated PCIe card detection in PCIe Slot 1 and 2.
- Fixed issue where optical drive caused hang during POST.

BIOS Version 1507

About This Release:
- February 27, 2008
- BTX3810J.86A.1507.2008.0227.2218
- SATA RAID info:
  Intel(R) RAID for SATA - v7.6.0.1011

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

- SATA AHCI info:
  Version UPSD src 12-03-2007 for ICH9
- PXE Nahum info:
  Intel(R) Boot Agent GE v1.2.50
- ME firmware build: None

New Fixes/Features:
- Added option for memory command rate.
- Updated X48 MRC timing table values.
- Updated BIOS Setup to detect the supported XMP profile speed.
- Fixed long boot time due to no media in SATA optical drive when set to AHCI/RAID mode.
- Fixed issue where Aggressive Link Power Management could not be enabled on the ICH SATA AHCI controller.
- Fixed RAID Fail to Resume from Standby (S3).
- Fixed Windows* Vista 0xC4 BSOD when running Driver Verifier on TPM.SYS.
- Fixed time-out failures with Extended INT 13 Seek Function (INT 13 Function 47).
- Fixed issue where certain SAS HBA card was not booting.
- Fixed issue where certain USB hard drive did not work in USB legacy support.
- Fixed IDCC2 on handling automatic mode for PCIe values.
- Fixed IDCC2 to reset the last known good values upon WDT reset from OS.
- Fixed the title of the BIOS setup page get overlap by certain condition.

BIOS Version 1500

About This Release:
- February 15, 2008
- BTX3810J.86A.1500.2008.0215.1100
- SATA RAID info:
  Intel(R) RAID for SATA – v7.6.0.1011
- SATA AHCI info:
  Version UPSD src 12-03-2007 for ICH9
- PXE Nahum info:
  Intel(R) Boot Agent GE v1.2.50

New Fixes/Features:
- Updated Heceta6P support for PECI processor based on the number of domain.
- Implemented Reference Voltage Override support.
- Fixed BIOS Setup interface to allow pop-up menu to scroll through options.
- Optimized performance of ATAPI recovery routines.
- Allow use of more than one CD device for ATAPI CD-ROM recovery.
- Fixed CPU Speed report in BIOS Setup.
- Renamed Aux Fan to Rear Fan 2 in Hardware Monitoring page.
- Changed Hardware Monitoring page to display fan/temp values
- Added support to select the appropriate voltage based on CPU and FSB speed.
- Updated the graphics for Express BIOS Update.

BIOS Version 1478

About This Release:
- February 1, 2008
- BTX3810J.86A.1478.2008.0201.1716
- SATA RAID info:
  Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
  Version UPSD src 12-03-2007 for ICH9
- PXE Nahum info:
  Intel(R) Boot Agent GE v1.2.50

New Fixes/Features:
- Fixed issue where Intel Desktop Control Center failed to start with certain processor.
- Updated processor support.
- Fixed language switching and 'Exit discard Changes' could slow down the responsiveness of BIOS setup page.
- Fixed issue where optical drive and hard drive is not booted in the order according to Boot Order.
- Added ability to underclock production non-XE processor multipliers.
- Fixed issue on getting the Max Ratio of the CPU.
- Fixed issue where L2 cache size will not be displayed in BIOS setup.
- Fixed POST code 5Ah hang with SATA HDDs and PCI Graphics card in Slot 2.
- Added a workaround of option ROM which has an invalid PCI Expansion ROM Header.
- Hid AHCI option ROM text when not running in RAID mode.
- Fixed issue causing Watchdog Timer firing to not be detected.
- Fixed blue screen during Vista* UEFI installation.
- Fixed issue where graphics cards that don't support 800x600 mode will not display anything on screen during POST.
- Added PCIe Link Width information for all PCIe Slot in Video Configuration Setup page.
- Added support for booting El-Torito HDD emulation Memtest86+ with AHCI Option ROM.
- Fixed hard drive detection after cold reboot in AHCI mode.

BIOS Version 1397

About This Release:
- December 17, 2007
- BTX3810J.86A.1397.2007.1217.1401
- SATA RAID info:
  Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
  Version UPSD src 04-20-2007 for ICH9
- PXE Nahum info:
  Intel(R) Boot Agent GE v1.2.50

New Fixes/Features:
- Enhanced Processor Multiplier Setup Option to only list ratios supported by installed processor.
- Corrected an issue where VGA is not found behind a bridge.

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- Updated Chassis Type SMBIOS structure.
- Changed WOL option to default disable.
- Hid iQST option.
- Fixed support for IIA.

BIOS Version 1358

About This Release:
- December 04, 2007
- BTX3810J.86A.1358.2007.1204.1623
- SATA RAID info:
  Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
  Version UPSD src 04-20-2007 for ICH9
- PXE Nahum info:
  Intel(R) Boot Agent GE v1.2.50

New Fixes/Features:
- Updated Hardware Watchdog timer support.
- Fixed issue where Hardware Watchdog timer error prompts on system reset after S3 cycle.
- Added memory speed overridden value to Setup Main page.
- Fixed issue where PSID XE CPU cannot be over clocked.
- Updated processor speed overridden value for Half Ratio support processor.
- Fixed issue causing IDCC launch failure.
- Fixed PATA CD BIOS recovery.
- Enhancement on XMP-1600 performance.

BIOS Version 1308

About This Release:
- November 12, 2007
- BTX3810J.86A.1308.2007.1112.1659
- SATA RAID info:
  Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
  Version UPSD src 04-20-2007 for ICH9
- PXE Nahum info:
  Intel(R) Boot Agent GE v1.2.50

New Fixes/Features:
- Fixed issues where some BIOS Setup options are hidden.
- Added updates to BIOS support for Intel® Desktop Control Center.
- Fixed display of cache for multi-core processors.
- Fixed PC28 memory error beeps on warm boot with 1333 CPU / 1333 Memory.
- Fixed issue where XMP settings were causing system instability.
- Fixed issue where overclocking settings were causing HW Watchdog Timer to fire on every boot.
- Added Hardware-based Watchdog Timer implementation.
- Added support for XMP (Extreme Memory Profile).
- Added some boot/S3 resume time optimizations.
- Fixed a bug where IERR got asserted on certain CPUs.

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BIOS Version 1251

About This Release:
- October 16, 2007
- BTX3810J.86A.1251.2007.1016.1510
- SATA RAID info:
  Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
  Version UPSD src 04-20-2007 for ICH9
- PXE Nahum info:
  Intel(R) Boot Agent GE v1.2.50

New Fixes/Features:
- Added BIOS Setup Option "Secondary SATA Controller Mode" to select between IDE and RAID modes
- Fixed issue where IIA or ITK could not set boot order correctly
- Worked around USB Legacy related hangs during POST
- Fixed issue where certain 3-wire fans would not spin
- Added code to suppress Floppy-related options for boards that don't support floppy
- Added support for 400MHz FSB CPU over clocking on clock chip

BIOS Version 1157

About This Release:
- October 6, 2007
- BTX3810J.86A.1157.2007.1006.1352
- SATA RAID info:
  Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
  Version UPSD src 04-20-2007 for ICH9
- PXE Nahum info:
  Intel(R) Boot Agent GE v1.2.50

New Fixes/Features:
- Initial production BIOS release

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