



BIOS Update Release Notes

PRODUCTS: D5400XS (Standard BIOS)

BIOS Version 1140

About This Release:

- May 21, 2008
- XS54010J.86A.1140.2008.0520.2239
- SATA RAID info:
Intel(R) RAID for SATA - v5.6.4.1002
- SATA AHCI info:
Version ICBO src 05-09-2008
- eSATA info:
Marvell* 88SE61xx Adapter - BIOS Version 1.1.0.L62
Marvell 88SE61xx RAID Adapter - BIOS Version 1.2.0.22
- PXE info:
Intel(R) Boot Agent GE v1.2.70
Intel(R) Boot Agent PXE Base Code (PXE-2.1 build 086)

New Fixes/Features:

- Added support for EIST.
- Added support for VT Technology.
- Added support for Intel® VT for Directed I/O (VT-d).
- Added Half Ratio support for Half Ratio capable processors.
- Fixed issue where certain solid state drives were not working with the ICH SATA AHCI Option ROM.
- Changed the strings for HD Audio Link and BP/FP Audio out setup.
- Enabled FSB overclocking support.
- Added workaround for MCH and CPU voltage override failing after intense SMBUS usage.
- Updated ESB2 AHCI Option ROM with latest changes.
- Updated support for dual processor fan control.
- Fixed BIOS Setup interface to allow pop-up menu to scroll through options.
- Added ability to override memory ratio on 5400 chipset.
- Fixed potential issue where fan speed could be stuck at 100%.
- Fixed potential hang at POST code 0x12.
- Fixed S3 resume failures with RAID/AHCI enabled.
- Fixed issue where disabling fan control did not work for CPU1.
- Improved S3 resume time.

BIOS Version 0926

About This Release:

- February 18, 2008
- XS54010J.86A.0926.2008.0218.1455
- SATA RAID info:
Intel(R) RAID for SATA - v5.6.4.1002
- SATA AHCI info:

Version UPSD src 06-16-2007 for ESB2

- eSATA info:
Marvell* 88SE61xx Adapter - BIOS Version 1.1.0.L62
Marvell* 88SE61xx RAID Adapter - BIOS Version 1.2.0.22
- PXE info:
Intel(R) Boot Agent GE v1.2.70
Intel(R) Boot Agent PXE Base Code (PXE-2.1 build 086)

New Fixes/Features:

- Added support for dual processor fan control.
- Updated Heceta6P support for PEFI processor based on the number of domains.
- Fixed fan surge early in POST.
- Fixed system reset when overriding memory timings in some cases.
- Fixed system hang when enabling "Power Saver" mode in Windows Vista*.
- Fixed processor 0 fan stuck at full speed.

BIOS Version 0821

About This Release:

- January 22, 2008
- XS54010J.86A.0821.2008.0122.1754
- SATA RAID info:
Intel(R) RAID for SATA - v5.6.4.1002
- SATA AHCI info:
Version UPSD src 06-16-2007 for ESB2
- eSATA info:
Marvell* 88SE61xx Adapter - BIOS Version 1.1.0.L62
Marvell* 88SE61xx RAID Adapter - BIOS Version 1.2.0.22
- PXE info:
Intel(R) Boot Agent GE v1.2.70
Intel(R) Boot Agent PXE Base Code (PXE-2.1 build 086)

New Fixes/Features:

- Initial production BIOS release

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