BIOS Update Release Notes

PRODUCTS: D925XCV, D925XBC, D925XECV2, D925XEBC2, D925XHY (Standard BIOS)

BIOS Version 0504

About This Release:
- November 29, 2006
- CV92510A.86A.0504.2006.1128.1903
- Core Baseline version 01.07.00
- Marvell* PXE v4.15
- UNDI 4.1.16

New Fixes/Features:
- Added workaround for hang at boot with certain PCI graphics card.
- Added support for DDR2 information that compliant with SMBIOS 2.4 specification.

BIOS Version 0477

About This Release:
- February 10, 2006
- CV92510A.86A.0477.2006.0209.2000
- Core Baseline version 01.07.00
- Marvell* PXE v4.15
- UNDI 4.1.16

New Fixes/Features:
- Modified On Screen Branding algorithm to conform to OnScreen Branding BIOS Writer Guide.
- Added New Intel Master Brand Logo.
- Added new background image with new Intel Logo.
- Updated Marvell* PXE code to version 4.15.
- Added board ID (08h) for newly added SKU.
- Set ASF support to disable as default for new SKU.
- Added workaround to solve PXE Option ROM failed to be loaded for new SKU.
- Added fix to enable Pulse Width Stretching function for SMSC Heceta.
- Added CPU VT feature support.
- Fixed the issue where supervisor/user password does not support non-alphanumeric keyboard characters.

BIOS Version 0473

About This Release:
- November 10, 2005
- CV92510A.86A.0473.2005.1110.0029

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

- Core Baseline version 01.07.00
- Marvell* PXE v3.03
- UNDI 4.1.16

New Fixes/Features:
- Added workaround for hang issue with certain graphics cards.

BIOS Version 0469

About This Release:
- October 4, 2005
- CV92510A.86A.0469.2005.1003.1859
- Core Baseline version 01.07.00
- Marvell* PXE v3.03
- UNDI 4.1.16

New Fixes/Features:
- Added workaround for issue with certain graphics card.
- Updated support for processors.
- Fixed Japanese and Portuguese translations.
- Fixed issue with possible flash corruption.
- Fix the issue where 25X multiplier is not supported on certain processors.
- Reduced S3 resume time by not double loading the CPU microcode
- Added a workaround to fix an issue of losing LAN connection when system is shutdown using power button override.
- Added "System in Manufacturing Mode" string in post screen during manufacturing mode per DFX requirement.
- Skip iflash if EMM386 is installed.
- Added support for DDR2 information that's compliant with SMBIOS 2.4 spec.
- Fixed the issue where supervisor/user password does not support non-alphanumeric keyboard characters.

BIOS Version 0463

About This Release:
- June 17, 2005
- CV92510A.86A.0463.2005.0616.1851
- Core Baseline version 01.07.00
- Marvell* PXE v3.03
- UNDI 4.1.16

New Fixes/Features:
- Updated support for processors.
- Fixed issue for module changes not updated with Intel® Integrator Toolkit (ITK) when BIOS flashing with Intel® Express BIOS Update.
- Fixed RPM logo not able to update issue.
- Fixed On Screen Branding (OSB) logo not displayed when system wake from hibernation.
- Fixed ECC error not logged in Event Log issue.
- Fixed issue where Event log is not marked as read after user selecting "Mark event log as read" in the BIOS Setup Page.
- Set PCIx "Compliance Test Pattern" to enable for manufacturing mode.

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

- Workaround destroy and recovery issue.
- Set ECC support to default enables.
- Updated video BIOS to version 1216.
- Updated SMBIOS support for PCI Express slot per SMBIOS 2.4 Specification.
- Corrected badge placement when badge is displayed with .BMP logo files.
- Fixed "protected CMOS data" being cleared in manufacturing mode.
- Fixed Enhanced Intel Speedstep® Technology (EIST) not able to step down when using 3.0GHz CPU.
- Fixed Wake on LAN (WOL) not functioning issue on specific LAN vendor.
- Removed workaround for certain Graphic card.
- Optimizing F000 segment.
- Updated with new audio verb table.

BIOS Version 0446

About This Release:
- April 28, 2005
- CV92510A.86A.0446.2005.0428.1154
- Core Baseline version 01.07.00
- Marvell* PXE v3.03
- UNDI 4.1.16

New Fixes/Features:
- Add update to initialize the Heceta6 fan control after boot block to provide better user experience by reducing the duration of a fan spin at full speed.
- Fixed bugs for Trusted Computing Platform Alliance* (TCPA).
- Special workaround for a specific PCIx 4-port Video card.
- Fixed issue of "keyboard not functional" error being logged in BIOS setup event log when USB keyboard exists in the system.

BIOS Version 0431

About This Release:
- March 28, 2005
- CV92510A.86A.0431.2005.0328.1556
- Core Baseline version 01.07.00
- Marvell* PXE v3.03
- UNDI 4.1.16

New Fixes/Features:
- Updated to latest Intel® Application Accelerator ICH6R SATA RAID OPROM code - Production Version 4.0.2.6810
- Eliminate a specific graphic cards workaround when running PC benchmarking test. It saves 128MB more memory available for Operating System.
- Fixed an issue where CD recovery failed on ICH6 RAID
- Fixed an issue where Power Button override when going into S3 caused system to hang on resume.

BIOS Version 0404

About This Release:
- January 26, 2005
- CV92510A.86A.0404.2005.0126.2132
- Core Baseline version 01.07.00
- Marvell* PXE v3.03
- UNDI 4.1.16

New Fixes/Features:
- Added support for future unreleased processors.
- Updated Express BIOS Update (EBU) packager to 2.05.08.
- Fixed issue where the USB 2.0 Legacy Support BIOS Setup option was not visible in ITK.
- Added BIOS support for Enhanced Intel® Speedstep Technology.
- Removed 667 MHz option within Memory Frequency Setup selection.
- Added SMBIOS structure to support Intel Stable Image Platform Program.
- Fixed incorrect memory sizes displayed during POST.
- Fixed issue where recovery was failing from ATAPI devices.
- Fixed an issue of CPU temperature too high in BIOS hardware monitoring.
- Fixed an issue of corrupting INT3 vector on a non-AHCI ICH6 board.
- Added ASF support for non-Intel LAN vendors.
- Fixed issue where Hard Drive size was incorrect after using F12 PXE Boot key during POST.
- Fixed issues with 2X PCI memory and I/O space allocations.
- Reduced S3 Resume and POST times.

BIOS Version 0338

About This Release:
- October 13, 2004
- CV92510A.86A.0338.2004.1012.1817
- Core Baseline version 01.07.00
- Marvell* PXE v3.03
- UNDI 4.1.10

New Fixes/Features:
- Fixed issues with Extended Burn-in Mode.
- Updated MFG Default for USB Boot to Disabled per latest DFT.
- Updated LAN PXE code to version 3.03.
- Fixed automatic-reboot condition seen in only in manufacturing.
- Fixed incorrect memory voltage condition after AC power loss.
- Modified Burn-in Mode strings.
- Changed the default splash image name to "Default BIOS POST Image".

BIOS Version 0316

About This Release:
- September 30, 2004
- CV92510A.86A.0316.2004.0929.1610
- Core Baseline version 01.07.00
- Marvell* PXE v2.05
- UNDI 4.1.10

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

New Fixes/Features:
- Fixed the issue where system hangs with SCSI card and SCSI drive installed.
- Fixed an issue of WinXP hang when only a USB keyboard is attached to the system.

BIOS Version 0313

About This Release:
- September 23, 2004
- CV92510A.86A.0313.2004.0923.1012
- Core Baseline version 01.07.00
- Marvell* PXE v2.05
- UNDI 4.1.10

New Fixes/Features:
- Added Extended Burn-In Mode support and POST warning message.

BIOS Version 0249

About This Release:
- August 19, 2004
- CV92510A.86A.0249.2004.0819.1259
- Core Baseline version 01.07.00
- Marvell* PXE v2.05
- UNDI 4.1.10

New Fixes/Features:
- Added board ID's for newly added SKU's.
- Fixed issue where some devices installed in PCI Express Slots did not function.
- Changed the default DVMT size to 128MB instead of 64MB.
- Fixed rear chassis fans fluctuation after resuming from S3.
- Fixed manufacturing issue where POST cards on some boards would stop displaying at POST code DAh.
- Fixed S3 resume issue with ICH6-B2 stepping.
- Added warning message in POST if 2x12 or 1x4 power connector is not plugged into the system.
- Added fix for S3/S4 transition issue.
- Fixed issue where memory timings set by IDCC were not being programmed into the BIOS.
- Updated Video Add-in code with a more dynamic algorithm per primary and secondary video operational models.
- Fix and issue where a 3rd party video game would hang when running a popular 03 benchmark.
- Fixed issue with a specific keyboard.

BIOS Version 0218

About This Release:
- June 24, 2004
- CV92510A.86A.0218.2004.0709.1458
- Core Baseline version 01.07.00
- Marvell* PXE v2.03

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

- UNDI 4.1.10

New Fixes/Features:
- Fixed the issue of not being able to boot to SATA ATAPI drives with RAID enabled.
- Added soft-reset of Infineon TPM during POST to resolve issue where TPM intermittently disappears during manufacturing.

BIOS Version 0210

About This Release:
- June 24, 2004
- CV92510A.86A.0210.2004.0624.1545
- Core Baseline version 01.07.00
- Marvell* PXE v2.03
- UNDI 4.1.10

New Fixes/Features:
- Fixed the issue of memory timings set by IDCC not getting programmed into the BIOS.
- Fixed the issue of ECC setup option not being displayed in BIOS setup when ECC DIMM is in use.

BIOS Version 0200

About This Release:
- June 21, 2004
- CV92510A.86A.0200.2004.0621.1438
- Core Baseline version 01.07.00
- Marvell* PXE v2.03
- UNDI 4.1.10

New Fixes/Features:
- Updated memory information related for IDCC (aka: ETK) BIOS support
- Fixed issue where system would not complete POST if no video card plugged in and a LAN
- card present.
- Fixed issue where system was unable to PXE boot if a particular PCI IDE card is installed.
- Fixed an issue where system will not boot to PXE when certain 256 MB AGP cards are present. This also fixed the PXE boot issue with certain PCIx graphics cards.
- Moved a processor configuration switch to runtime code so that certain processor capabilities can be retrieved properly.

BIOS Version 0193

About This Release:
- June 09, 2004
- CV92510A.86A.0193.2004.0609.1843
- Core Baseline version 01.07.00
- Marvell* PXE v2.03
- UNDI 4.1.10

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

New Fixes/Features:
- Correctly display AUX Power option for the right SKU
- Fixed an issue of losing Audio after resuming from S3.

LEGAL INFORMATION