PRODUCTS: DX58SO2, DX58OG (Standard BIOS)

BIOS Version 0920 - SOX5820J.86A.0920.2013.0729.0042

About This Release:
- Date: July 29, 2013
- QPI Reference Code: Based on Revision 1.85
- ICH10 SATA RAID Option ROM: v11.1.0.1413
- Marvell* 9128 SATA Gen 3 Option ROM: 1.0.0.1027
- Marvell 6121 SATA Gen 2 Option ROM: 1.2.0.29
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.65
- LAN Option ROM: Intel(R) Boot Agent PXE Base Code (PXE-2.1 build 089)

New Fixes/Features:
- Updated processor support.
- Improved compatibility with the latest video cards.
- Updated the ICH10 RAID Option ROM to version 11.1.0.1413.
- Enabled PCI Bus Limit (64, 128, and 256) Range.
- Fixed issue where system has yellow bang and **USB 3.0 does not work when "USB optimization" is enabled.**

BIOS Version 0888 - SOX5820J.86A.0888.2012.0129.2203

About This Release:
- Date: January 29, 2011
- QPI Reference Code: Based on Revision 1.85
- ICH10 SATA RAID Option ROM: v11.0.0.1339
- Marvell* 9128 SATA Gen 3 Option ROM: 1.0.0.1027
- Marvell 6121 SATA Gen 2 Option ROM: 1.2.0.29
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.65
- LAN Option ROM: Intel(R) Boot Agent PXE Base Code (PXE-2.1 build 089)

New Fixes/Features:
- Updated processor support.
- Updated the ICH10 RAID Option ROM to version 11.0.0.1339.
- Fixed issue where system hangs during POST cursor at top-left of screen with certain option ROM configurations.
- Fixed random hang at boot on systems with TPM present.
- Fixed issue where some USB optical drives are not detected.
- Fixed issue where system hangs after "CTRL-ALT-DEL" reset during POST.
- Fixed issue where certain USB keyboard does not work in POST.
- Fixed issue where system hangs at POST code 0xE7 with TPM enabled.
- Removed keyboard not found Event.

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- Fixed issue where blue screen error happens during Windows* installation with certain quad-port network card is installed.
- Fixed issue where BIOS memory speed does not match the Intel® Desktop Utilities memory speed.
- Added UEFI and virtual machine characteristics in SMBIOS type 0.
- Added AHCI native driver support.

BIOS Version 0876 - SOX5820J.86A.0876.2011.0824.0021

About This Release:
- Date: August 24, 2011
- QPI Reference Code: Based on Revision 1.85
- ICH10 SATA RAID Option ROM: v10.6.0.1091
- Marvell* 9128 SATA Gen 3 Option ROM: 1.0.0.1027
- Marvell 6121 SATA Gen 2 Option ROM: 1.2.0.29
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.65
- LAN Option ROM: Intel(R) Boot Agent PXE Base Code (PXE-2.1 build 089)

New Fixes/Features:
- Fixed issue where no "Clear User Password" option shows up when User Password is installed.
- Fixed the memory Maximum Capacity value reported in SMBIOS Type 16 to support 48GB.
- Updated codes to patch memory defaults stored in the Performance Data Hob and removed the old method which would result in system hang when load default.
- Fixed RAID installation failure in EFI boot mode.

BIOS Version 0817 - SOX5820J.86A.0817.2011.0630.1910

About This Release:
- July 01, 2011
- QPI Reference Code: Based on Revision 1.85
- ICH10 SATA RAID Option ROM: v10.6.0.1091
- Marvell* 9128 SATA Gen 3 Option ROM: 1.0.0.1027
- Marvell 6121 SATA Gen 2 Option ROM: 1.2.0.29
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.65
- LAN Option ROM: Intel(R) Boot Agent PXE Base Code (PXE-2.1 build 089)

New Fixes/Features:
- Fixed issue where rear audio jacks do not retask.
- Fixed issue with memory defaults stored in the Performance Data Hob.
- Fixed issue where system does not boot with BCLK set above 138MHz.
- Changed Hyperboot string to Fast Boot.
- Fixed issue where PCIe cannot restore to default in Extreme Tuning Utility (XTU) using F9 and F10 in BIOS.
- Fixed issue where Processor Voltage Override Type in BIOS shows "None" when XTU applies non-default Dynamic CPU Voltage Offset.

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- Fixed issue where Turbo Boost, CPU VR Current Limit, Current/Power Limit, and X-cores Multiplier do not grey out in BIOS after disabling EIST compared to XTU.
- Updated processor support.
- Updated RAID Option ROM to version 10.6.0.1091.
- Improved ICH PCI Express and EHCI performance with deep C-States enabled.
- Fixed issue where proposed Host Clock value did not get updated.
- Fixed ACPI _PSD error when running "POWERCFG -ENERGY" command.
- Fixed the S3 resume hang issue under XMP profile.
- Enhanced overclocking Memory Manual Override mode.
- Fixed issue that caused continuous resets preventing the BIOS from finishing POST.
- Fixed issue where CDROM doesn't automatically Boot from SATA6 connector.

BIOS Version 0779 - SOX5820J.86A.0779.2011.0406.1511

About This Release:
- April 6, 2011
- QPI Reference Code: Based on Revision 1.85
- ICH10 SATA RAID Option ROM: v10.1.0.1008
- Marvell 9128 SATA Gen 3 Option ROM: 1.0.0.1027
- Marvell 6121 SATA Gen 2 Option ROM: 1.2.0.29
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.65
- LAN Option ROM: Intel(R) Boot Agent PXE Base Code (PXE-2.1 build 089)

New Fixes/Features:
- Fixed POST slowness with some USB card readers attached to the front panel USB ports.
- Fixed Heceta mappings in Intel® Extreme Tuning Utility.
- Fix interaction between EIST and Turbo Enable.
- Fixed long delay when booting FreeDOS with two drives attached to Marvell* 6121 controller.
- Updated the Setup Profile Support.
- Updated the 3 column Memory Configuration setup page.
- Fixed issue where Express BIOS Update causes an application error on Windows 7 64-bit when installed while UEFI BOOT is enabled.
- Fixed issue where legacy F000 segment method of posting SMBIOS and ACPI tables was not happening when "UEFI Boot" is enabled.
- Updated RAID Option ROM (v10.1.0.1008).
- Fixed issue where drives connected to onboard Marvell storage controller was not seen in the F7 Flash Update menu.
- Moved BIOS Setup Auto-Entry option to the Boot page.
- Modified the special microcode update message display during flash update.
- Added Customer Friendly BIOS version display.
- Added user prompt for Setup Auto-Entry to continue with Normal Boot or Enter Setup.
- Added support for BIOS recovery from the onboard USB 3.0 XHCI controller.
- Added type 4 datatype "Do Not Show" list of UQIs for Intel® Integrator Toolkit to the ITKData variable.

- Fixed issue where fans run at full speed when coming out of S3/S4/S5.

Note:
After updating to BIOS version 0779 or newer, you cannot revert to a previous BIOS version using the Recovery method. However, using the iFlash method will still work.

BIOS Version 0765 - SOX5820J.86A.0765.2011.0228.1549

About This Release:
- February 28, 2011
- QPI Reference Code: Based on Revision 1.85
- ICH10 SATA RAID Option ROM: 10.0.0.1046
- Marvell 9128 SATA Gen 3 Option ROM: 1.0.0.1027
- Marvell 6121 SATA Gen 2 Option ROM: 1.2.0.29
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.65
- LAN Option ROM: Intel(R) Boot Agent PXE Base Code (PXE-2.1 build 089)

New Fixes/Features:
- Fixed issue where system hangs at POST code 2D.

BIOS Version 0752 - SOX5820J.86A.0752.2011.0211.1125

About This Release:
- February 11, 2011
- QPI Reference Code: Based on Revision 1.85
- ICH10 SATA RAID Option ROM: 10.0.0.1046
- Marvell* 9128 SATA Gen 3 Option ROM: 1.0.0.1027
- Marvell 6121 SATA Gen 2 Option ROM: 1.2.0.29
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.65
- LAN Option ROM: Intel(R) Boot Agent PXE Base Code (PXE-2.1 build 089)

New Fixes/Features:
- Fixed issue where secondary onboard LAN does not work in the operating system.
- Fixed issue where SATA drives connected to ICH10 SATA ports may not be detected in Windows.
- Fixed hang issue at POST code 2D.
- Fixed an issue that Clear User Password option is not available after entering Setup as Supervisor.
- Improved BIOS POST time for detecting and accessing USB mass storage devices.

BIOS Version 0724 - SOX5820J.86A.0724.2011.0121.1338

About This Release:
- January 21, 2011
- QPI Reference Code: Based on Revision 1.85
- ICH10 SATA RAID Option ROM: 10.0.0.1046
- Marvell 9128 SATA Gen 3 Option ROM: 1.0.0.1027
- Marvell 6121 SATA Gen 2 Option ROM: 1.2.0.29

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- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.65
- LAN Option ROM: Intel(R) Boot Agent PXE Base Code (PXE-2.1 build 089)

New Fixes/Features:
- Fixed issue where prompting for password when F7, F10 or F12 is hit and User Access Level is set to Full.
- Fixed issue where POST Event Log screen messages would overlap the BIOS F10 One-Time Boot Menu.
- Fixed issue where no Clear User Password option prompt is shown when user access set to Limited Access.
- Fix Turbo mode settings when changing processor types.
- Fixed issue where certain SSD drives would stall the system at POST code 0xEB.
- Updated Hyperboot for performance improvement and stability.
- Enhanced Deep S4/S5 sleep state support.
- Updated Marvell* SATA controllers buffer strength settings.
- Fixed default settings when the Watchdog Timer resets the system.
- Changed the Watchdog Timer to not fire when QPI speed is changed.
- Changed the text in BIOS Setup to use the term "CPU Turbo Boost".
- Fixed issue with Extreme Tuning Utility when changing CPU voltage.
- Fixed issue where Express BIOS Update continues to report BIOS update status when starting Windows 7*.
- Fixed default extreme settings when changing processors.
- Fixed issue with long POST 0xB8 delay.

BIOS Version 0603 - SOX5820J.86A.0603.2010.1117.1506

About This Release:
- November 17, 2010
- QPI Reference Code: Based on Revision 1.85
- ICH10 SATA RAID Option ROM: 10.0.0.1046
- Marvell 9128 SATA Gen 3 Option ROM: 1.0.0.1027
- Marvell 6121 SATA Gen 2 Option ROM: 1.2.0.29
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.65
- LAN Option ROM: Intel(R) Boot Agent PXE Base Code (PXE-2.1 build 089)

New Fixes/Features:
- Initial production BIOS release

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