



BIOS Update Release Notes

PRODUCTS: DP45SG (Standard BIOS)

BIOS Version 0106

About This BIOS:

- December 10, 2008
- SGP4510H.86A.0106.2008.1210.2137
- GBE firmware bin version: 10R_567
- PXE Option Rom file: Intel UNDI,PXE-BA0020Q2.LOM
- ME Version: 1080 (Disable)
- RAID Option Rom version: 8.6.0.1007

New Fixes/Features:

- Fixed issue with Intel® Integrator Toolkit (ITK) where tokens are set to an invalid value.
- Fixed issue where onboard 1394 does not show in Intel® Integrator Assistant (IIA) and is not found in F2 BIOS Setup.
- Fixed issue where Intel Precision Cooling is not displayed.
- Added support for OCZ memory boot.
- Fixed issue where bootable devices except Hard Disk Drive disappear in IIA boot order.
- Fixed issue where date is unreadable characters when CMOS battery low.
- Added support for PC3 1066 9-9-9 1.7v DRAM.
- Updated RAID ROM Ver8.6.0.1007.
- Fixed issue where system is unable to boot to HDD when Boot Type is set to Advanced.
- Fixed issue where all onboard devices are disabled after pressing F9.
- Fixed issue where chassis type is not pre-programmed.
- Fixed issue where system won't boot with certain graphics card.
- Fixed issue where BIOS language changes to French when pressing F9.
- Fixed issue where system hangs at boot if system is configured for RAID with a SCSI adaptor installed.
- Fixed issue where debug mode can't boot.

BIOS Version 0102

About This BIOS:

- November 20, 2008
- SGP4510H.86A.0102.2008.1120.1053
- GBE firmware bin version: 10R_567
- PXE Option Rom file: Intel UNDI,PXE-BA0020Q2.LOM
- ME Version: 1080 (Disable)
- RAID Option Rom version: 8.0.0.1039

New Fixes/Features:

- Fixed boot failure when Boot Type is set to Advanced.
- Added ADT4790 (Heceta6 chip thermal solution)
- Fixed issue where MRC don't return correct memory timing default.

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- Fixed issue where changes to processor multiplier erroneously triggered watchdog timer.
- Fix S3 power LED issue.
- Updated ASC7621 Module
- Fixed S3 hyper-sleep resume failure.
- Fixed issue where Intel® Desktop Control Center (IDCC) could not be launched after changing CPU Voltage.
- Fixed memory bank information in IDCC's System tab.
- Fixed issue in IDCC where CPU voltage sorting order changes when CPU voltage is changed from factory default.
- Fixed power LED blink issue after G3.
- Fixed issue where system is unable to boot to HDD when boot type is set to advanced.
- Corrected ECIR default setting.
- Updated IDCC module revision to 2
- Updated IDCC module to display correct CPU ratio default in ACPI table.
- Updated IDCC module to set FSB and memory voltage update dynamically to default.
- Updated IDCC module to adjust Memory reference frequency.
- Updated IDCC module to display correct CPU ratio and FSB.
- Updated IDCC module to show PCI Bus frequency.
- Fixed issue where power LED turns on when AC power is connected.
- Fixed issue where Intel® Integrator Toolkit (ITK) server does not correctly report BIOS flashing result when flashing process failed.
- Fixed issue where S5 LED turns off.
- Fixed issue system restart issue when exiting BIOS setup without saving.
- Updated IDCC module where some processors cannot load IDCC correctly.
- Updated IDCC module to correct SMBIOS display.
- Improved watchdog timer function to reset system when entering BIOS via WDT warning message without setup change.
- Fixed BIOS setup Performance page (changed Processor Multiplier Override from Automatic to Manual, changed Host Clock Frequency Override from automatic to manual, processor speed can not match correct value.)
- Improved RTC function to prevent date/time misconduct issue.
- Changed Core2 Processor Temperature to read the temperature as "Processor Thermal Margin" - a positive value indicating PECI delta.

BIOS Version 0093

About This BIOS:

- October 1, 2008
- SGP4510H.86A.0093.2008.1001.1958
- GBE firmware bin version: 10R_567
- PXE Option Rom file: Intel UNDI,PXE-BA0020Q2.LOM
- ME Version: 1080 (Disable)
- RAID Option Rom version: 8.0.0.1039

New Fixes/Features:

- Fixed OEM Activation 2.0 failure.
- Fixed issue where User Access Level = View Only.
- Updated MRC 2.40
- Fixed issue where Watchdog Timer does not work during CPU initiation.

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- Fixed issue where default factory setting and the configuration will remain after reconfiguring.
- Fixed issue where Intel® Integrator Toolkit (ITK) doesn't correctly report BIOS flashing result when flashing process fails.
- Fixed issue in ITK with lock/hide state for UQI 6A (Onboard Audio).
- Fixed issue where bootable devices except Hard Disk Drive disappear in Intel® Integrator Assistant (IIA) boot order.
- Fixed issue where BIOS update intermittently fails using IIA.
- Fixed issue where boot order list did not propagate in IIA when user enables bootable devices in F2 BIOS Advance Mode.
- Updated Intel® Desktop Control Center module.
- Fixed issue with supervisor password in Setup and OS.
- Fixed issue with resume on AC Loss (LAST STATE POWER OFF).
- Fixed issue with iFlash to previous BIOS, recovery.
- Updated time verify function.
- Fixed date/time issues.
- Updated UQI
- Updated consumer infrared (CIR) functionality.
- Updates to improve reliability of RTC code.
- Saved/Restored index registers.
- Fixed issue with RTC wake up.

BIOS Version 0083

About This BIOS:

- August 19, 2008
- SGP4510H.86A.0082.2008.0819.1026
- GBE firmware bin version: 10R_567
- PXE Option Rom file: Intel UNDI,PXE-BA0020Q2.LOM
- ME Version: 1080 (Disable)
- RAID Option Rom version: 8.0.0.1039

New Fixes/Features:

- Fixed Load Default issue during NVCompact.
- Fixed NVRAM compact to recovery function base.
- Loaded default during power on/off test.
- Kept date for RTC power failure.
- Fixed issue with no display on first PCI-E slot when two VGA cards are installed.
- Fixed system hang with POST code E5.
- Fixed hang with POST code EE when certain graphics card is installed.
- NV vga card fail for S3
- Updated processor support.

BIOS Version 0073

About This BIOS:

- August 5, 2008
- SGP4510H.86A.0073.2008.0805.2000
- GBE firmware bin version: 10R_567
- PXE Option Rom file: Intel UNDI,PXE-BA0020Q2.LOM
- ME Version: 1080 (Disable)
- RAID Option Rom version: 8.0.0.1039

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New Fixes/Features:

- Initial production BIOS release

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