



BIOS Update Release Notes

PRODUCTS: DP45SG (Standard BIOS)

BIOS Version 0108

About This BIOS:

- January 14, 2009
- SGP4510H.86A.0108.2009.0114.2036
- 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 where host clock will not store to default when loading default in SETUP and modifying PCIe frequency.
- Fixed issue where E7500 & E8400 processor multiplier is lowest value when enabling over clocking.
- Fixed issue where operating system fails to load when using a PCI recovery card.
- Fixed issue where some USB keys cause system to reset when pressing F10.
- Updated to use iflash2.exe as the BIOS update tool in this BIOS package.

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.

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

- 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.
- 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.

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

- 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 PECTI 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.
- 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

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

- 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

New Fixes/Features:

- Initial production BIOS release

LEGAL INFORMATION

Information in this document is provided in connection with Intel Products and for the purpose of supporting Intel developed server/desktop boards and systems.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Intel's Terms and Conditions of Sale for such products, Intel assumes no liability whatsoever, and Intel disclaims any express or implied warranty, relating to sale and/or use of Intel products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright or other intellectual property right. Intel Corporation may have patents or pending patent applications, trademarks, copyrights, or other intellectual property rights that relate to the presented subject matter. The furnishing of documents and other materials and information does not provide any license, express or implied, by estoppel or otherwise, to any such patents, trademarks, copyrights, or other intellectual property rights. Intel products are not intended for use in medical, life saving, or life sustaining applications. Intel may make changes to specifications and product descriptions at any time, without notice.

Intel is a trademark of Intel Corporation in the US and other countries.
Copyright (c) 2008 Intel Corporation.

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