



BIOS Update Release Notes

PRODUCTS: DP35DP, DG33TL, DG33BU, DG33FB (Standard BIOS)

BIOS Version 0572

About This Release:

- July 15, 2009
- DPP3510J.86A.0572.2009.0715.2346
- ME Firmware: ME FW binary PV build QST_3.2.3.1037.
- Integrated Graphics Option ROM: 1653 PC 14.34 06/08/2008 20:37:36.
- SATA RAID Option ROM: Intel(R) RAID for SATA - v8.9.0.1023
- LAN Option ROM: Intel(R) Boot Agent GE v1.3.27 Beta-1

Note

After updating to BIOS version 0572 or later, you cannot down-rev the BIOS to version 0517 or earlier using iFlash.exe. You must use the BIOS Recovery method.

New Fixes/Features:

- Fixed issue where the system would blue screen (with error code 0x0A) on the resume from S3.
- Updated E820 table to claim the area.
- Fixed possible issue with Windows* installation.
- Fixed issue in E820 table where the BIOS would list overlapping regions if they had the same start address.
- Added supervisor password check for chassis intrusion event.
- Updated SMBIOS Processor Family.
- Fixed invalid event "Memory Size Decrease" and "Intel ME Interface Initialization failed" logged after BIOS update with Express BIOS Update, iFlash reboot method and BIOS recovery method.
- Fixed issue with overlapped memory ranges.
- Fixed issue where password becomes invalid when loading defaults with "F9" and then reboot.
- Fixed issue where Memory Type Range Registers (MTRR) are not in sync after S3 resume.
- Implemented Fault Tolerant Firmware ID solution.
- Implemented new SMRR feature according to the new BWG.
- Fixed issue where SMBIOS Type 10 (On Board Devices Information) structure for On-board LAN "Description" field is incorrect when On-board LAN is disabled.
- Fixed SMBIOS issues seen with the WLK 1.3 SMBIOS HCT test.
- Updated iAMT Intel(R) ME Firmware to 3.2.3.1037.
- Update iQST ME FW to 3.2.3.1037.
- Added security for SMM.
- VTD requirement Zero memory used for IGD GTT.
- Fixed issue of slow boot time for memory of more than 4GB.
- Updated support for high power PCIe adapters.
- Added updates to improve security.

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

- Added function to prompt for Supervisor/User password if set in BIOS setup before allowing BIOS update.
- Added the Downgrade password security check.
- Added the Firmware ID check to find the BIOS ID.
- Changed display string for Intel 64 Architecture support.
- Added handler for AP exception.
- Added support in boot block to read EFI variables from VPD backup region if the system had reset in the middle of VPD reclaim.
- Fixed potential failures on S3 resume due to bad algorithm for clock chip programming.
- Changed the programming on S3 resume - used to do a single block write of the clock; now it will program same sequence as done on normal boot path.
- Added a workaround to fix an issue of not detecting hard drive after booting to WinPE* using PXE.
- Fixed issue with TXT S3 Resume causing txt error code.
- Fixed issue with READY2BOOT SMI callback calling out of SMRAM.
- Updated PXE UNDI for Intel(R) 82566 Gigabit LAN to version 1.3.27.
- Added Half Ratio support for Half Ratio capable processors.

BIOS Version 0517

About This Release:

- January 5, 2009
- DPP3510J.86A.0517.2009.0107.2203
- VBIOS info:
Build Number: 1653 PC 14.34 06/08/2008 20:37:36.
- SATA RAID info:
Intel(R) RAID for SATA - v8.6.0.1007
- SATA AHCI info:
Version UPSD src 05-09-2008 for ICH9
- PXE Nahum info:
Intel(R) Boot Agent GE v1.3.22 Beta-1
- ME firmware build: ME FW binary PV build QST_3.2.1.1022.
- Supported firmware hubs:

New Fixes/Features:

- Fixed intermittent failure to perform optical drive recovery.
- Fixed BIOS setup reset to default values when entering Maintenance mode.
- Fixed potential failures on S3 resume due to bad algorithm for clock chip programming.
- Added workaround to fix language option not showing correctly.
- Fixed intermittent slow boot issue on DG33FB.
- Fixed POST code 0x5A hang when POST time device reads happen with certain ATAPI drives.

BIOS Version 0507

About This Release:

- December 2, 2008
- DPP3510J.86A.0507.2008.1202.0024
- VBIOS info:
Build Number: 1653 PC 14.34 06/08/2008 20:37:36.
- SATA RAID info:

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

Intel(R) RAID for SATA - v8.6.0.1007

- SATA AHCI info:
Version UPSD src 05-09-2008 for ICH9
- PXE Nahum info:
Intel(R) Boot Agent GE v1.3.22 Beta-1
- ME firmware build: ME FW binary PV build QST_3.2.1.1022.

New Fixes/Features:

- Updated SMBIOS Processor Family.
- Added support to fix potential VPD corruption.
- Added support in boot block to read EFI variables from VPD backup region if the system had reset in the middle of VPD reclaim.
- Fixed intermittent slow boot issue.
- Updated RAID option ROM: Intel(R) RAID for SATA - v8.6.0.1007
- Fixed issue where system power on after AC loss.
- Added feature to allow USB keyboard to be still available for entering BIOS setup if USB ports are disabled.
- Fixed issue where USB drives were not bootable after using USBoot* tool.
- Updating "Intel Hyper Threading Technology" to "Intel® Hyper-Threading Technology" string.
- Fixed potential system hang issue when calling PeiGetVariable() function.
- Fix a potential system hang issue due to infinite loop in the variable function.

BIOS Version 0497

About This Release:

- October 07, 2008
- DPP3510J.86A.0497.2008.1007.1913
- VBIOS info:
Build Number: 1653 PC 14.34 06/08/2008 20:37:36.
- SATA RAID info:
Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
Version UPSD src 05-09-2008 for ICH9
- PXE Nahum info:
Intel(R) Boot Agent GE v1.3.22 Beta-1
- ME firmware build: ME FW binary PV build QST_3.2.1.1022.

New Fixes/Features:

- Fixed issue where EFI boot images are not seen on IDE CD/DVD devices.
- Fixed issue where system shows no bootable device message when removing UEFI Vista* HD.
- Fix issue where codec verb tables are failing WHQL UAA compliant test.
- Updated processor support.

BIOS Version 0484

About This Release:

- August 05, 2008
- DPP3510J.86A.0484.2008.0805.2031
- VBIOS info:

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

Build Number: 1653 PC 14.34 06/08/2008 20:37:36.

- SATA RAID info:
Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
Version UPSD src 05-09-2008 for ICH9
- PXE Nahum info:
Intel(R) Boot Agent GE v1.3.22 Beta-1
- ME firmware build: ME FW binary PV build QST_3.2.1.1022.

New Fixes/Features:

- Locked MCH configuration.
- Changed display font from "(R)" to "®".
- Updated to Video BIOS v1653.
- Updated PXE code to Intel(R) Boot Agent GE v1.3.22.
- Added PXE info on Capsule Flex module.

BIOS Version 0437

About This Release:

- May 21, 2008
- DPP3510J.86A.0437.2008.0521.1933
- VBIOS info:
Build Number: 1533 PC 14.27 08/28/2007 09:51:53
- SATA RAID info:
Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
Version UPSD src 12-03-2007 for ICH9
- PXE Nahum info:
Intel(R) Boot Agent GE v1.2.50 Beta-1
- ME firmware build: ME FW binary PV build QST_3.2.1.1022.

New Fixes/Features:

- Updated flash descriptor image with new VSCC.
- Fixed incorrect display of SATA ports on DG33FB.
- Fixed the 2 minutes boot delay during warm reboot problem plus the invalid DFROM TCM segment and TEM address issues.
- Fixed issue where certain USB hard drive did not work in USB legacy support.
- Fixed time-out failures with Extended INT 13 Seek Function (INT 13 Function 47).
- Fixed issue where the upper portion of the EAX and EDX register were getting corrupted during INT9 (keyboard handler) execution on no-SIO systems.
- Fixed incorrect restore of PIC mask register.
- Fixed S3 Resume time increase when 4GB installed.
- Updated iQST ME FW to 3.2.1.1022.
- Added support for duplicate BIOS ID.
- Fixed problem where Front Panel Audio does not show up in Peripheral Configuration page when connected.
- Changed BIOS setup string "VT Technology" to "Intel(R) VT" under Security Menu.
- Changed the strings for HD Audio Link and BP/FP Audio out.
- Optimized performance of ATAPI recovery routines.
- Allowed use of more than one CD device for ATAPI CD-ROM recovery.
- Fixed the title of the BIOS setup page get overlap by certain condition.

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BIOS Version 0413

About This Release:

- March 06, 2008
- DPP3510J.86A. 0413.2008.0306.2218
- VBIOS info:
Build Number: 1533 PC 14.27 08/28/2007 09:51:53
- SATA RAID info:
Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
Version UPSD src 12-03-2007 for ICH9
- PXE Nahum info:
Intel(R) Boot Agent GE v1.2.50 Beta-1
- ME firmware build: ME FW binary PV build QST_3.2.0.1018.

New Fixes/Features:

- Fixed BIOS update current to current.
- Fixed SATA AHCI Hot-Plug from the Intel Matrix Storage Manager driver.
- Updated Intel(R) ME Firmware to 3.2.0.1018.
- iQST: Fan detection improvement.
- Fixed F9 load default changed Wake on LAN from S5 option while it is grayed out.
- Fixed pressing the power button for more than 4 sec does not power off the PC.
- Fixed EIT/VA process data overwriting Interrupt vector table.
- Removed pre-production ME Firmware from BIOS update capsule.
- Added support to select the appropriate voltage based on CPU and FSB speed.
- Updated Txt Ac modules.
- Fix for TXT Bios_OS_Data reporting.
- Update TXT Heap BIOS_OS_DATA.
- TXT Fix for GetSec SCHECK.
- Change VT-d Tables for Txt.
- Fixed the incorrect naming "+3.3v" in Hardware Monitoring Page, "+3.3v Standby" will be the right naming.
- Fixed hang at POST 5A with certain optical drive.

BIOS Version 0407

About This Release:

- February 18, 2008
- DPP3510J.86A.0407.2008.0218.0923
- VBIOS info:
Build Number: 1533 PC 14.27 08/28/2007 09:51:53
- SATA RAID info:
Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
Version UPSD src 12-03-2007 for ICH9
- PXE Nahum info:
Intel(R) Boot Agent GE v1.2.50 Beta-1
- ME firmware build: ME FW binary PV build 1104

New Fixes/Features:

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- Fixed issue where S3 wake will fail intermittently on RAID mode.
- Fixed issue of long boot time due to no media in SATA optical drive when set to AHCI/RAID mode.
- Updated MRC to build 2.4.
- Fixed issue where L2 cache size will not be displayed in BIOS setup.
- Fixed a problem where IERR got asserted on certain CPUs.
- Fixed a problem where the system would hang on S3 resume during SMM relocation.
- Fixed issue where graphics cards that don't support 800x600 mode will not display anything on screen during POST.
- Fixed language switching and 'Exit discard changes' could slow down responsive of BIOS setup page.
- Fixed possible hang at POST code 0x5A with certain video cards attached to the system.
- Added support to select the appropriate voltage based on CPU and FSB speed.
- Fixed a problem where system would boot slow with 8GB of memory in the system, and booting to a 64bit OS.

BIOS Version 0372

About This Release:

- January 29, 2008
- DPP3510J.86A.0372.2008.0129.0418
- VBIOS info:
Build Number: 1533 PC 14.27 08/28/2007 09:51:53
- SATA RAID info:
Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
Version UPSD src 12-03-2007 for ICH9
- PXE Nahum info:
Intel(R) Boot Agent GE v1.2.50 Beta-1
- ME firmware build: ME FW binary PV build 1104

New Fixes/Features:

- Fixed manufacturing S3 hang issue.
- Fixed Resume from S3 issue.

BIOS Version 0353

About This Release:

- January 26, 2008
- DPP3510J.86A.0353.2008.0126.0305
- VBIOS info:
Build Number: 1533 PC 14.27 08/28/2007 09:51:53
- SATA RAID info:
Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
Version UPSD src 12-03-2007 for ICH9
- PXE Nahum info:
Intel(R) Boot Agent GE v1.2.50 Beta-1
- ME firmware build: ME FW binary PV build 1104

New Fixes/Features:

- Removed Vista x64 boot performance with 4GB RAM fix.

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- Removed fix blue screen during Vista UEFI installation.

BIOS Version 0348

About This Release:

- January 23, 2008
- DPP3510J.86A.0348.2008.0123.2016
- VBIOS info:
Build Number: 1533 PC 14.27 08/28/2007 09:51:53
- SATA RAID info:
Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
Version UPSD src 12-03-2007 for ICH9
- PXE Nahum info:
Intel(R) Boot Agent GE v1.2.50 Beta-1
- ME firmware build: ME FW binary PV build 1104

New Fixes/Features:

- Added support for new DP35DP SKU (BOXDP35DPC)

BIOS Version 0345

About This Release:

- January 21, 2008
- DPP3510J.86A.0345.2008.0121.1919
- VBIOS info:
Build Number: 1533 PC 14.27 08/28/2007 09:51:53
- SATA RAID info:
Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
Version UPSD src 12-03-2007 for ICH9
- PXE Nahum info:
Intel(R) Boot Agent GE v1.2.50 Beta-1
- ME firmware build: ME FW binary PV build 1104

New Fixes/Features:

- Added support for SATA AHCI Hot-Plug from the Intel Matrix Storage Manager driver.
- Fixed Vista* x64 boot performance with 4GB RAM or more.
- Fixed the IIA Boot Order missing issue.
- Fixed blue screen during Vista UEFI installation.
- Added Intel Rapid Recovery Technology feature.
- Added workaround of option ROM which has an invalid PCI Expansion ROM Header.
- Fixed issue where VGA is not found behind a bridge.
- Fixed POST code 5Ah hang with SATA HDDs and PCI Graphics card in Slot 2.
- Changed the method of getting ME FW capability through MEBx instead of hard coded.
- Updated processor support.

BIOS Version 0326

About This Release:

- December 06, 2007
- DPP3510J.86A.0326.2007.1206.2256

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

- VBIOS info:
Build Number: 1533 PC 14.27 08/28/2007 09:51:53
- SATA RAID info:
Intel(R) RAID for SATA - v7.6.0.1011
- SATA AHCI info:
Version UPSD src 08-24-2007 for ICH9
- PXE Nahum info:
Intel(R) Boot Agent GE v1.2.50 Beta-1
- ME firmware build: ME FW binary PV build 1104

New Fixes/Features:

- Updated Chassis Type SMBIOS structure.
- Fixed HDD detection after cold reboot in AHCI mode.
- Updated processor support.

BIOS Version 0305

About This Release:

- November 12, 2007
- DPP3510J.86A.0305.2007.1112.1145
- VBIOS info:
Build Number: 1533 PC 14.27 08/28/2007 09:51:53
- SATA RAID info:
Intel(R) RAID for SATA - v7.5.0.1017
- SATA AHCI info:
Version UPSD src 04-20-2007 for ICH9
- PXE Nahum info:
Intel(R) Boot Agent GE v1.2.50 Beta-1
- ME firmware build: ME FW binary PV build 1104

New Fixes/Features:

- Updated processor support.

BIOS Version 0297

About This Release:

- October 23, 2007
- DPP3510J.86A.0297.2007.1022.2244
- VBIOS info:
Build Number: 1533 PC 14.27 08/28/2007 09:51:53
- SATA RAID info:
Intel(R) RAID for SATA - v7.5.0.1017
- SATA AHCI info:
Version UPSD src 04-20-2007 for ICH9
- PXE Nahum info:
Intel(R) Boot Agent GE v1.2.50 Beta-1
- ME firmware build: ME FW binary PV build 1104

New Fixes/Features:

- Removed fan detection feature.
- Updated processor support.
- Optimized boot time.
- Set SATA type to IDE by default to avoid blue screen when installing operating system.

BIOS Version 0293

About This Release:

- October 02, 2007
- DPP3510J.86A.0293.2007.1002.1519
- VBIOS info:
Build Number: 1533 PC 14.27 08/28/2007 09:51:53
- SATA RAID info:
Intel(R) RAID for SATA - v7.5.0.1017
- SATA AHCI info:
Version UPSD src 04-20-2007 for ICH9
- PXE Nahum info:
Intel(R) Boot Agent GE v1.2.50 Beta-1
- ME firmware build: ME FW binary PV build 1104

New Fixes/Features:

- G33/P35 BIOS specification update to Rev2.2
- Updated Video ROM to build 1533
- Fixed issue where user need to hit power button twice to power up system when first turn on from AC Off
- Added Software Mode manufacturing mode support.

BIOS Version 0287

About This Release:

- September 20, 2007
- DPP3510J.86A.0287.2007.0920.1254
- VBIOS info:
Build Number: 1508 PC 14.27 06/08/2007 13:40:32
- SATA RAID info:
Intel(R) RAID for SATA - v7.5.0.1017
- SATA AHCI info:
Version UPSD src 04-20-2007 for ICH9
- PXE Nahum info:
Intel(R) Boot Agent GE v1.2.50 Beta-1
- ME firmware build: ME FW binary PV build 1104

New Fixes/Features:

- Updated DVMT memory size options per IIA requirements
- Updated Video ROM to build 1508
- Updated ICH9 codes to BIOS spec 1.1 updates
- Fixed issue where error message shown when user install invalid payloads for iQST via ITK.

BIOS Version 0276

About This Release:

- September 03, 2007
- DPP3510J.86A.0276.2007.0903.1413
- VBIOS info: Build Number: 1471 PC 14.27 03/23/2007 16:54:14
- SATA RAID info: Intel(R) RAID for SATA - v7.5.0.1017
- SATA AHCI info: Version UPSD src 04-20-2007 for ICH9
- PXE Nahum info: Intel(R) Boot Agent GE v1.2.50 Beta-1
- ME firmware build: ME FW binary PV build 1104

New Fixes/Features:

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- Updated CK505 clock driver for better multiple platform support.
- Fixed issue where IIA or ITK could not set boot order correctly in both normal and advance boot menu mode.
- Fixed issue where IIA or ITK could not read boot drive model strings
- Fixed issue where ITK or IIA could not access Boot Priority List when all the boot devices disabled in the BIOS Setup

BIOS Version 0267

About This Release:

- August 1, 2007
- DPP3510J.86A.0267.2007.0801.2302
- VBIOS info: Build Number: 1471 PC 14.27 03/23/2007 16:54:14
- SATA RAID info: Intel(R) RAID for SATA - v7.5.0.1017
- SATA AHCI info: Version UPSD src 04-20-2007 for ICH9
- PXE Nahum info: Intel(R) Boot Agent GE v1.2.50 Beta-1
- ME firmware build: ME FW binary PV build 1104

New Fixes/Features:

- Updated MRC to v2.3
- Fixed issue where some USB keyboards may hang up or oversensitive.
- Fixed intermittent failure with EFI_VARIABLE.
- Added support for writing new variable through BIO capsule.
- Added ITK Data Var Type 3 to store VAREQ variable

BIOS Version 0262

About This Release:

- July 23, 2007
- DPP3510J.86A.0262.2007.0723.1620
- VBIOS info: Build Number: 1471 PC 14.27 03/23/2007 16:54:14
- SATA RAID info: Intel(R) RAID for SATA - v7.5.0.1017
- SATA AHCI info: Version UPSD src 04-20-2007 for ICH9
- PXE Nahum info: Intel(R) Boot Agent GE v1.2.50 Beta-1
- ME firmware build: ME FW binary PV build 1104

New Fixes/Features:

- Fixed issue of ECIR unable to be detected in OS.
- Fixed incorrect display of cache size for multi-core processors.
- Remove floppy menu screen for boards that don't support it.
- Fixed issue where the BIOS was potentially using all processor variable MTRRs.
- Updated MRC to version 2.2
- Updated processor support.
- Updated ME FW to build 3.0.1.1104
- Fixed intermittent issue with EFI_VARIABLE in Windows environment
- Fix for initializing custom default values to proper size
- Added dynamic serial and parallel port support
- Fixed issue where Quad core CPU not able to run in single processor mode

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- Fixed ACPI failures when running Vista* DTM TCG TPM test
- Fixed slow boot time observed at POST 0x34
- Added QST support for new processors

BIOS Version 0249

About This Release:

- June 25, 2007
- DPP3510J.86A.0249.2007.0625.1327
- VBIOS info: Build Number: 1471 PC 14.27 03/23/2007 16:54:14
- SATA RAID info: Intel(R) RAID for SATA - v7.5.0.1017
- SATA AHCI info: Version UPSD src 04-20-2007 for ICH9
- PXE Nahum info: Intel(R) Boot Agent GE v1.2.50 Beta-1
- ME firmware build: ME FW binary PV build 1072

New Fixes/Features:

- Changed SVID of ITE* PATA controller chip back to its default value.
- Fixed issue where BIOS recovery failed to function on systems with more than 2GB memory installed.
- Turn on ME_ENABLE bit in CK505 clock before ME initialization in S3 resume
- Improved S3 resume time by enabling SPI pre-fetching
- Fixed issue where language selection and language display are not matched after user pressed F9/loaded default in BIOS setup.
- Fixed problem of Yellow Bang in Device Manager for Vista* for Mass Storage Controller
- Added dynamic detection of onboard devices for the SMBIOS Type 10 info update.

BIOS Version 0246

About This Release:

- June 13, 2007
- DPP3510J.86A.0246.2007.0613.1659
- VBIOS info: Build Number: 1471 PC 14.27 03/23/2007 16:54:14
- SATA RAID info: Intel(R) RAID for SATA - v7.5.0.1017
- SATA AHCI info: Version UPSD src 04-20-2007 for ICH9
- PXE Nahum info: Intel(R) Boot Agent GE v1.2.50 Beta-1
- ME firmware build: ME FW binary PV build 1072

New Fixes/Features:

- Fixed OCUR support
- Fixed Microsoft* OEM Activation 2.0 support
- Added support for CK505 SLG845168BT clock part
- Fixed potential firmware corruption issue
- Improved S3 resume time by 400msec.
- Updated processor support
- Updated clock part programming
- Fixed issue where Language selection and language display mismatch after pressing Ctrl+Alt+Del
- Added MCH thermal sensor minimal reading note in Hardware Monitoring page.

About This Release:

- May 02, 2007
- DPP3510J.86A.0216.2007.0502.1916
- VBIOS info: Build Number: 1471 PC 14.27 03/23/2007 16:54:14
- SATA RAID info: Intel(R) RAID for SATA - v7.5.0.1017
- SATA AHCI info: Version UPSD src 04-20-2007 for ICH9
- PXE Nahum info: Intel(R) Boot Agent GE v1.2.50 Beta-1
- ME firmware build: ME FW binary PV build 1072

New Fixes/Features:

- Initial production BIOS release

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