



PASD BIOS ENGINEERING
Intel Corporation, 5200 NE Elam Young Parkway
Hillsboro, OR 97124-6497

DATE: March 7, 2005
PRODUCT: D865GLC/D865GBF/D865GRH/D865GVHZ Standard BIOS

P24-0075 (Production 24, build 0075)

About This Release:

- March 7, 2005
- BF86510A.86A.0075.P24.0503071605
- Core Baseline version 01.07.00
- VBIOS build 3409
- UNDI 4.1.16 (with RPL)
- 82547EI UNDI 1.2.26

New Fixes/Features:

- Video BIOS updated to build 3409.
- Added latest processor update.

P23-0073 (Production 23, build 0073)

About This Release:

- February 14, 2005
- BF86510A.86A.0073.P23.0502140017
- Core Baseline version 01.07.00
- VBIOS build 3396
- UNDI 4.1.16 (with RPL)
- 82547EI UNDI 1.2.26

New Fixes/Features:

- Added latest processor update.
- Fixed system hangs in Hardware monitoring page when USB Legacy disable with USB mouse connected.

P22-0071 (Production 22, build 0071)

About This Release:

- November 25, 2004
- BF86510A.86A.0071.P22.0411242209
- Core Baseline version 01.07.00
- VBIOS build 3144
- UNDI 4.1.16 (with RPL)
- 82547EI UNDI 1.2.26

New Fixes/Features:

- Added latest processor update.
- Added fix for boot order being reordered when a USB drive is inserted and then removed while the Floppy Drive is set to Disabled.

- Added fix for memory allocation when using 4GB of system memory.
- Added Virtual Floppy fix.
- Added fix for third party drive imaging software.
- Added fix for hard drive size misreported when F12 is used to PXE boot.
- Added third party SIO workaround when wake event occurs while system entering standby.
- Added fix for no video when holding F12 for PXE.

P21-0069 (Production 21, build 0069)

About This Release:

- September 29, 2004
- BF86510A.86A.0069.P21.0409290100
- Core Baseline version 01.07.00
- VBIOS build 3144
- UNDI 4.1.10 (with RPL)
- 82547EI UNDI 1.2.22

New Fixes/Features:

- Update 82547EI UNDI to v1.2.22.
- Added latest processor update.

P20-0067 (Production 20, build 0067)

About This Release:

- August 16, 2004
- BF86510A.86A.0067.P20.0408152006
- Core Baseline version 01.07.00
- VBIOS build 3144
- UNDI 4.1.10 (with RPL)
- 82547EI UNDI 1.2.19

New Fixes/Features:

- Fixed HCT Unreported I/O port failure on system without PS/2 devices.
- Changed CPU string display in POST screen from bios generated to CPU branding string get from the CPU.

P19-0065 (Production 19, build 0065)

About This Release:

- August 3, 2004
- BF86510A.86A.0065.P19.0408031039
- Core Baseline version 01.07.00
- VBIOS build 3144
- UNDI 4.1.10
- 82547EI UNDI 1.2.19

New Fixes/Features:

- Fixed issue where certain PCMCIA card-readers do not function in Windows.
- Added feature to enable VPD cloning for ITK.
- Fixed CMOS Lock/Hide functionality in ITK.

- Fixed system hang when using ITK in VM86 mode.

P18-0063 (Production 18, build 0063)

About This Release:

- June 22, 2004
- BF86510A.86A.0063.P18.0406220349
- Core Baseline version 01.07.00
- VBIOS build 3144
- UNDI 4.1.10
- 82547EI UNDI 1.2.19

New Fixes/Features:

- Added latest processor update.
- Added display of Celeron Badge with Prescott Celeron CPU's.
- Change video bios to build 3144.
- Added the RPL support.
- Fixed POST code 38h hang when installing certain USB Card Reader.
- Fixed an issue where integrated video corruption occurs when Frame Buffer set to 1MB.

P17-0061 (Production 17, build 0061)

About This Release:

- April 22, 2004
- BF86510A.86A.0061.P17.0404211558
- Core Baseline version 01.07.00
- VBIOS build 3102
- UNDI 4.1.10
- 82547EI UNDI 1.2.19

New Fixes/Features:

- Added support for new STMicro Flash part ID.

P16-0060 (Production 16, build 0060)

About This Release:

- April 12, 2004
- BF86510A.86A.0060.P16.0404121116
- Core Baseline version 01.07.00
- VBIOS build 3102
- UNDI 4.1.10
- 82547EI UNDI 1.2.19

New Fixes/Features:

- Enhanced 16-character password support by removing unnecessary reboot.

P15-0058 (Production 15, build 0058)

About This Release:

- April 05, 2004
- BF86510A.86A.0058.P15.0404050012
- Core Baseline version 01.07.00
- VBIOS build 3102
- UNDI 4.1.10
- 82547EI UNDI 1.2.19

New Fixes/Features:

- Change build id to B24-0057.
- Increase length of supervisor and user passwords from 7 to 16 characters and move the storage location of user and supervisor passwords from CMOS to the firmware hub.
- Added USB Disable option in BIOS Setup.
- Added alternate firmware hub flash manufacturer support.
- Fixed compatibility issue with some keyboards.
- Update 82547EI UNDI to v1.2.19.
- Added support for branded D865GVHZ boards.
- Added latest processor update.
- Update the D865GVHZ Hardware Monitoring menu header.

P14-0056 (Production 14, build 0056)

About This Release:

- Feb. 10, 2004
- BF86510A.86A.0056.P14.0402101402
- Core Baseline version 01.07.00
- VBIOS build 3102
- UNDI 4.1.10
- 82547EI UNDI 1.2.10

New Fixes/Features:

- Fixed issue where 82547EI SKU hang at "AA" during manufacturing test.
- Fixed hang at post code "E7" issue during memory initialization at POST.
- Fixed ITK issue on Baseline 07.

P13-0053 (Production 13, build 0053)

About This Release:

- January 22, 2004
- BF86510A.86A.0053.P13.0401220953
- Core Baseline version 01.07.00
- VBIOS build 3102
- UNDI 4.1.10
- 82547EI UNDI 1.2.10

New Fixes/Features:

- Added enhancement for future processor support.
- Fixed an issue with INT13h Function 15h returning incorrect information.
- Added code to differentiate some Intel® Pentium® 4 processors from Intel® Celeron® processors
- Suppressed POST CMOS error message when force CMOS defaults option is used for Flash update.
- Fixed issue where system would not complete POST if no video card is plugged in and a LAN card present.
- Fixed an issue of delay in booting to Floppy with 2 SATA drives connected in native mode.
- Fixed an interoperability issue with the Intel SMBUS Driver.
- Added L3 cache info in SMBios table.
- Added latest processor update.

P12-0051 (Production 12, build 0051)

About This Release:

- December 16, 2003
- BF86510A.86A.0051.P12.0312161054
- Core Baseline version 01.07.00
- VBIOS build 3102
- UNDI 4.1.10
- 82547EI UNDI 1.2.10

New Fixes/Features:

- Display L3 Cache option in BIOS setup when a processor with L3 Cache is used.
- Added alternate hardware management ASIC supplier support.
- Update Intel inside logo.
- Added Pentium® 4 Extreme Edition and Pentium 4 with HT Extreme Edition logo support.
- Fixed an issue where system will not wake on LAN after a Power failure.
- Fixed an issue where system would not log events.
- Fixed an issue with some applications causing a CMOS checksum error during POST.
- Video BIOS updated to build 3102.

P11-0048 (Production 11, build 0048)

About This Release:

- October 14, 2003
- BF86510A.86A.0049.P11.0310141038
- Core Baseline version 01.05.00
- Video BIOS build 3039
- UNDI 4.1.10
- 82547EI UNDI 1.2.10

New Fixes/Features:

- Add support for alternate firmware hub flash part.

- Fixed an issue where system will not boot to PXE when certain AGP AGP cards are present.

P10-0046 (Production 10, build 0046)

About This Release:

- September 24, 2003
- BF86510A.86A.0046.P10.0309241107
- Core Baseline version 01.05.00
- Video BIOS build 3039
- UNDI 4.1.10
- 82547EI UNDI 1.2.10

New Fixes/Features:

- Updated BIOS Setup screen help text for Clear All Passwords.
- Add latest processor update
- Updated memory reference code to version 1.4.
- Fixed a system hang problem during POST with certain USB Flash card reader/writers.
- Fixed an issue where the system fan never turned off even when the system temperature is below the thermal trip point.

P09-0043 (Production 09, build 0043)

About This Release:

- August 25, 2003
- BF86510A.86A.0043.P09.0308251408
- Core Baseline version 01.05.00
- Video BIOS build 3039
- UNDI 4.1.10
- 82547EI UNDI 1.2.10

New Fixes/Features:

- Changed display of DDR333 to DDR320 when used with an Intel® Pentium® 4 processor with an 800 MHz system bus.
- Fixed a system hang problem during POST with some USB Flash card read/write devices.
- Fixed incorrect SMBIOS type 4 Processor Upgrade information
- Updated video BIOS to build 3039.
- Added a workaround to boot from Microsoft* Windows* XP recovery CD.
- Updated Japanese language translations.
- Changed hardware management ASIC programming to support IDCC. LOCK bit is not set in BIOS.
- Updated chipset memory reference code to version 1.3.
- Fixed an issue with Power Button override when going into S3 caused system to hang on resume.
- Corrected some Spanish language string translations.
- Added latest processor update.

P08-0038 (Production 08, build 0038)

About This Release:

- June 24, 2003
- BF86510A.86A.0038.P08.0306241812
- Core Baseline version 01.05.00
- Video BIOS build 2972
- UNDI 4.1.10
- 82547EI UNDI 1.2.10

New Fixes/Features:

- Added functionality to flash update the BIOS in runtime so that a reboot is not required in subsequent BIOS updates.
- Added work-around for IRQ sharing with Serial ATA native mode operation.
- Fixed issue with some SATA drives that were randomly not detected upon power cycles.
- Fixed an issue where some memory testing utilities were hanging when USB legacy support is enabled.
- Added ASF 1.03 support.
- Fixed an issue that caused a delay when booting to a floppy after attempting to boot to a non-bootable CD with two SATA drives attached.

P07-0036 (Production 07, build 0036)

About This Release:

- May 19, 2003
- BF86510A.86A.0036.P07.0305191051
- Core Baseline version 01.04.00
- Video BIOS build 2972
- UNDI 4.1.10
- 82547EI UNDI 1.2.10

New Fixes/Features:

- Add a workaround for intermittent ACPI S3 resume failures.
- Added manual PCI IRQ routing to the BIOS.
- Fixed issue where Microsoft Windows XP legacy-to-native IDE runtime mode switching was not functioning.
- Fixed an issue where BIOS could not boot to USB Zip media when USB Zip was emulated as Floppy and the actual format of Zip media was HDD.
- Added error handling to IFLASH so that a BIOS upgrade failed message appears during POST when the BIOS update is unsuccessful. Added increasing scale of beep tones when flash update is in progress.
- Fixed an issue, where some boards are hanging at CP-20h with CMOS battery re-installation or first power-up.
- Fixed missing FAN Speed menu problem. Also fixed an issue where SIO FAN TACH reading value was displayed incorrectly.
- Added Grayscale JPEG image support. Also added more robust error handling in JPEG decoder.
- Add "Additional System Information" in BIOS Setup Menu.
- Updated Video BIOS to build 2972.

P06-0033 (Production 06, build 0033)

About This Release:

- April 23, 2003
- BF86510A.86A.0033.P06.0304231704
- Core Baseline version 01.04.00
- Video BIOS build 2919
- UNDI 4.1.10
- 82547EI UNDI 1.2.10

New Fixes/Features:

- Fixed a hang at POST code 2A on some Intel 82562EZ LAN configurations.
- Add latest processor update.
- Updated DPSD small Logo.
- Added support for Intel Express BIOS Update 2.0.

P05-0030 (Production 05, build 0030)

About This Release:

- April 16, 2003
- BF86510A.86A.0030.P05.0304161728
- Core Baseline version 01.04.00
- Video BIOS build 2919
- UNDI 4.1.10
- 82547EI UNDI 1.2.10

New Fixes/Features:

- Fixed issue with Wake On LAN from ACPI S5 using Intel 82547EI LAN solution.
- Fixed intermittent hang at POST 2A and fixed 82547EI LAN disable issue on 82547EI LAN based boards.
- Fixed issue where when the floppy is disabled in BIOS Setup the system still booted to the floppy after exiting/escaping the Boot Device Popup Menu.
- Fixed a User Logo enable/disable runtime issue.
- Corrected ACPI S4 Sleep Type register value.

P04-0028 (Production 04, build 0028)

About This Release:

- April 14, 2003
- BF86510A.86A.0028.P04.0304140916
- Core Baseline version 01.04.00
- Video BIOS build 2919
- UNDI 4.1.10
- 82547EI UNDI 1.2.10

New Fixes/Features:

- Fixed an issue with false memory test POST time error message appearing when no failures occur and when dual channel optimization message needs to appear.
- Integrated latest Intel ICH5 code.

- Fixed an issue where BIOS Hardware Health Monitor displays incorrect Fan speed.
- Added latest Memory Reference Code r1.20.
- Fixed issue where if first 512k memory test at POST code 0d4h hangs, system will revert to auto memory setting after third reset or power cycle.
- Fixed reporting of installed DIMM type in BIOS Setup main page.
- Fixed issue where IRQ12 is not allocated to PCI devices when no PS/2 mouse is installed in the system and USB Legacy is disabled.

P03-0024 (Production 03, build 0024)

About This Release:

- April 04, 2003
- BF86510A.86A.0024.P03.0304041329
- Core Baseline version 01.04.00
- Video BIOS build 2919
- UNDI 4.1.10
- 82547EI UNDI 1.2.10

New Fixes/Features:

- Initial Production BIOS release