intel.

DATE: August 06, 2003

SUBJECT: D845PEBT2 Standard BIOS

About This Release

- **BIOS String:** BT84520A.86A.0024.P10.0308081142
- **UNDI PXE Version:** ICH2 PXE 2.1 Build 083

Features/Errata Fixed in This Release

P10-0024

- Updated *Silicon Image Option Rom to version 4.2.32
- Added core APM Support
- Fixed missing FAN Speed menu and incorrect displaying of SIO FAN TACH value
- Updated processor frequency display in POST and in Setup to handle newest processors.
- Updated System Configuration Data
- Added support to boot from USB flash devices.
- Corrected language translation.
- Changed hardware management ASIC programming to support IDCC. LOCK bit is not set in BIOS.
- Fixed an issue with some memory testing programs causing POST hangs when USB legacy support is enabled.
- Added a workaround to boot from *Microsoft *Windows *XP recovery CD ver 3.0.
- Fixed an issue where Chassis intrusion did not log in the Event log.
- Removed UDMA mode-6 support to fix an issue with some IDE Hard drives
- Fixed an issue where USB mouse and some USB storages stop working in *Win2k when wake on S1
- Update from AMI Core 08.00.07 to 08.00.08.

P09-0022

- Change BIOS String P09-0022
- Added SMBIOS type 1, type 2, and type 3 information in the BIOS setup per the BIOS CCB recommendation.
- Fixed issue where Adaptec* IDE RAID card is not bootable.
- Updated System Configuration Data

P08-0020

- Change BIOS String
- Fixed S1 issue
- Changed ACPI OEM Revision field for all ACPI tables to contain the BIOS build date as YYYYMMDD. This insures a constantly increasing number for the ACPI OEM revision field.
- Updated Support for alternate SIO part
- Enabled Add-on ROM display mode support.
- Updated Intel® Copyright String to 2003
- Updated System Configuration Data.
- Added string translation and correct spelling error on "Aggressive"
- Fixed issue with password with less than 7 characters

---

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

- Intel® Boot Agent FE v4.1.09
- Activated and Deactivated the Mouse and Keyboard on S1
- Fixed issue on "FADT RESET_REG Register Bit Width can only be 8. Value: 0"

P07-0016
- Added new strings translation
- Fixed a 48Bit LBA drives accessing issue.
- Fixed a problem with DDR333 not being displayed in CHIPSET CONFIGURATION -- SDRAM Frequency bios setup page.

P06-0015
- Fixed issue of some registers not being saved and restored correctly when running Hyper-Threading Technology Readiness utility.

P06-0014

- Fixed issue where system will not wake from S1 if the keystroke is hit before system enters S1 standby.
- Fixed issue where flashing the previous BIOS through EBU in Windows* XP generated CMOS checksum errors.

- Added MPS support
- Fixed password is required to enter maintenance mode issue.
- Added Support for HT Technology splash logo.
- Added new BBS codes to preserve the boot order.

P05-0012

- Added the latest SATA controller BIOS OP-ROM version 4.1.45 to to enable DMA transfer modes in real mode which will improve performance significantly in *DOS operations
- Added burn-in mode in Advanced\Chipset Configuration
- Fixed cache size decoding for Intel® Celeron® processor.

P03-0010

- Fixed floppy issue with floppy 3-mode enabled.
- Fixed programming default for Intel® Precision Cooling.

P03-0009

- Changed "Clock Chip Configuration" to "Burn-in Mode"
- Corrected an issue with Burn-in Mode functionality

P03-0008

- Fixed PXE base ROM dispatching issues.
- Adding Hardware Monitoring screen for setup.
- Changed control to meet legal requirements, changed name to "Clock Chip Configuration."

P02-0007

- Removed Floppy 3 Mode support.
- Added Clock Margining support.

P01-0005

- Updated memory reference code to 1.50 with DDR 200Mhz support removed
- Fixed thermal trip detection code for MFG.
- Updated Intel® Boot Agent to 4.1.08.
- Reprogrammed the SATA Controller's class code and subsystem IDs upon resuming from S3.
- Added support for Intel® Integrator Toolkit 2.0 and BMI 1.1.
- Fixed an issue of incorrect "Block mode" display of Secondary Slave on the IDE configuration screen.
- Added the ability to enable and disable S.M.A.R.T. hard disk drive capabilities.
- Fixed an issue where USB mouse is slow to respond coming out of S3 in Microsoft Windows* 2000.
- Updated SATA Option ROM to version 4.1.36
- Separated the functionality of "Serial ATA boot" and "Serial ATA RAID" questions in setup..