intel.

DATE: April 28, 2000

SUBJECT: CC82010A.86A Standard BIOS P09-0015

About This Release

- CC82010A.86A.0015.P09.

Features/Errata Fixed in This Release

P09-0015
- Added support for all Pentium ™ III processors
- Added support for higher frequency processors

P08-0014
- Added fixes for WHQL failures: COM2 and Unreported I/O.
- Added fix for RTC for TSMC ICH
- Implement Hot Start fix

P07-0013
- Added support for full duplex mode for the Serial Port B. Added setup question for Half-Duplex/Full-Duplex.
- Updated the AMI base code to latest version.

P06-0012
- Removed Memory detection code to allow for Setup to override the CAS Latency and 1n/2n Mode parameters.
- Fixed issue that prevented the system from going into S3 when serial port loopbacks were installed.

P05-0011
- Added WfM 2.0 support for BIS (Boot Integrity Services).
- Changed the setup default for the Video Memory Cache Mode from "Write Combine" to "Uncached".
- Fixed WOL hang with 3COM Fast EtherLink 3C905x.
- Fixed hang whenever Novell BootWare PRO-100B v1.00 card is in the system.
- Fixed issue where ARMD-FDD devices would not work if the Floppy Controller was DISABLED and Floppy A Type was set to "Not Installed" in SETUP.
- Added error beeps if a video adapter is not detected during POST (one long beep, followed by 2 short beeps).
- Updated Memory detection code to allow for Setup to override the CAS Latency and 1n/2n Mode parameters.
- Fixed issue where FDD POST errors were getting lost.
- Fixed issue where system would delay before booting Windows NT when using a SCSI drive and not having IDE-HDD before the SCSI Adapter in the boot order.
- Fixed WHQL PC99 "IDE & Video Disable Test".
- Fixed an issue where the system would hang if the system tried to execute int19 more than one time.
- Fixed issue where going into and out of S3 state and then restarting to MSDOS mode from Win98 causes the USB Keyboard to be lost.
- Fixed issues with Type 17-20 SMBIOS memory structures.
- Updated SMBIOS Type 10 structures to correctly report the enabled/disabled status of onboard devices.
- Modified the silent boot to not display option rom messages during POST.
- Fixed an issue where the screen toggle key did not work during late POST.

- Fixed an issue where the small logo did not show up after the BIOS switched to the BIOS screen and an error message was displayed.
- Fixed an issue where the screen would be cleared during POST when unattended start was enabled.
- Increased the maximum number of PCI busses from 16 to 256.
- Fixed issue where Wake On Ring does not work with an AMR Modem is installed in Windows 98 APM Mode.
- Added support for SSDT Table to declare that the HW does not support STR when selected in Setup or if some add-in components do not support STR.
- Removed Floppy Drive from Boot Menu when Floppy Controller and Floppy Drive is not present in the system.