



## OPSD BIOS ENGINEERING

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### About This Release

- EW81510A.86A.0046.P05.0203250259
- 815 Video BIOS 6.2 Production Version 2313
- ICH2 PXE 2.0 Build 83

### Features/Errata Fixed in This Release

#### P05-0046

- Implemented 48-bit LBA support for HDD.
- Added support to free up Option ROM space by disabling PXE.

#### P04-0045

- Changed the default setting of the ISA Enable bit to disable.
- This BIOS now displays the ISA Enable option in maintenance mode under the extended options page.

#### P03-0044

- Fixed issue where device manager always show LPT mode as ECP no matter what mode is set in BIOS setup.
- Fixed issue where "PS/2 port mouse" shown in device manager if SUT got no PS/2 mouse installed, but USB legacy is turned on and a USB mouse is attached.
- Fixed issue where UDMA Disable option in BIOS setup is not functioning in user mode.
- Fixed issue where WinME will lock up during startup if USB IOMEGA zip drive is installed.
- Fixed issue where Rapid BIOS Boot time needs more than 10 second.
- Removed "Wake on PME" Enable/Disable option in BIOS (for APM)
- Fixed issue where garbage printout will be produced when LPT mode is set to ECP.
- Changed LPT manufacturing default mode to ECP mode as per DFT.
- Changed LPT Port manufacturing default mode to "Enabled" as per DFT.
- Fixed issue where USB keyboard will drop off if restart to MSDOS under Win98SE.

#### P02-0039

- Fixed an issue where SUT hung at DCh during POST, which was due to SDRAM clock ripples.
- Disabled the 2nd USB controller since it was unused.
- Fixed issue where USB devices need >30sec to recover back after S4.
- Added workaround for keyboard LED stay on issue due to jumper wake design.
- Added FWH GPIO detection to differentiate ROEM/RPG for ACPI defaults (S1/S3).
- Removed APM option from setup.
- Fixed issue where system will fail when running WHQL USB Device wake test.
- Fixed BEL ACFGXREF failure.

#### P01-0024

- Fixed issue where PS/2 port swap will cause SUT not to S3 wake with all keys.
- Fixed uncommanded mouse movement after S1 using suspender.exe
- Fixed issue where a key needs to be pressed to bring up video after S3 wake from task scheduler.
- Fixed issue where VGA SSID not been correctly restored after S3.

- Fixed DOS APM RTC wake from soft off issue.
- Added support for National SIO with AMI KBC firmware.
- Fixed an issue where system wakeup too soon from S3.
- Updated to Split-PXE 2.0 Build 83.
- Fixed issue where certain CAS latency setting will caused the SUT to hang at A4h

#### B02-0017

- Added IOAPIC support.
- Fixed an issue where system wakeup too soon from S3.
- Fixed the issue of Reset Config Data question in setup not being reset to No after being set to Yes and system rebooting.
- Changed LPT default to Bi-Dir mode in manufacturing mode.
- Added codes to avoid faults boot to the network in manufacturing mode.

#### B01-0014

- Fixed BEL test failure where current language not specified in Type 13 structure.
- Displayed Celeron processor logo.

#### B01-0013

- Changed warning message of incompatible processors.
- Program the chipset register bits base on the CMOS setting.
- Fixed issue where EPP loopback test failed in TestView program.
- Fixed BEL Event Log test failure.
- Fixed PS/2 keyboard yellow bang in Win98/ME.
- Fixed BEL DMITEST failures.

#### B01-0012

- Support KBC Inputs Swapping feature.
- Fixed BEL: SDNIT failures.
- Supports 100MHz FSB 0.13u Pentium III Celeron processor.
- Fixed issue where floppy disk write protect feature not working under DOS and Windows.
- Fixed an issue where modem failed to wakeup the system.
- Supports COMB dynamic stuffing option.
- Fixed an issue where POST showing AC'97 modem function disabled.
- Supports NSC360 SIO PWUREQ PME.
- Fixed an issue where kbd/ms were unable to wakeup the system.
- Fixed an issue where Graphics SSID was not restore after S3
- Added LAN Auto Detection Feature.
- Added ComB Auto Detection Feature.

#### D-0009

- Initial Development BIOS.

<b>Known Errata with This Release</b>
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