



OPSD BIOS ENGINEERING

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DATE: May 09, 2001

TO: OPSD Business Unit

CC: iPG / OPSD BIOS Engineering

FROM: iPG / OPSD BIOS Engineering

SUBJECT: EA81520A.86A Standard D815EEA2 BIOS Production 12-0019

About This Release

- EA81520A.86A.0019.P12.0105091420
- 815 Video BIOS 6.2 Production Version 2313
- ICH2 PXE Ver. 81

Features/Errata Fixed in This Release

P12-0019

- Added support for CNR1.1.

P11-0017

- Added new Processor BIOS Update for Pentium(R) III processors.
- Made "Language" setup item non-editable when user setup access level is set to "View Only".
- Added logic to block unsupported processors.
- Updated SMBIOS data structures.
- Added new Pentium III processor support to SMBIOS.
- Changed PCI buffer strength.
- Passwords are no longer updated when custom defaults are loaded.
- Removed global reset to address a USB hub drop issue after resuming from S3 state.

P10-0015

- Fixed WHQL unreported I/O test failure after S3.
- Fixed issue where if IDE is disabled, Device Manager shows yellow bang.

P09-0014

- Updated 815 Video BIOS to Video BIOS 6.2 Production Version 2313

P08-0013

- Reverted to Video BIOS 6.0A Production Version 2269
- Addresses Pentium III processor E76 Erratum

P07-0011

- Fixed issue where USB keyboard would not work after resuming from S3 and then shutdown to MS-DOS*.
- Fixed issue where WHQL suspend test would hang on resume from S1.
- Removed buffer strength changes made in P03-0006 and modified RCOMP algorithm instead.

P06-0010

* Third-party brands and names are the property of their respective owners.

- Modified to use ICH2 GPI 13 to differentiate crystal/no crystal on LAN SKUs.
- Modified SMBUS block write algorithms to clear the SECOND_TO_STS bit in the TCO2_STS register in the ICH2 as per spec update.
- Added support for displaying the maximum UDMA mode supported for auto-typed IDE drives in BIOS SETUP.
- Corrected translations for Wake on LAN*, Wake on PME help strings. Added boot sector write protection help and translations. Added maintenance mode strings. Corrected some English misspellings.
- Fixed issue where the Unattended Start password must first be entered to unlock the keyboard so that the Setup password could be entered.
- Added BBS Runtime function support to the BIOS. For more information on BBS runtime functions, please read "BIOS Boot Specification Version 1.01".
- Fixed translation of 'Not Installed' string for Drive Installed question in BIOS setup.
- Cypress clock chip support added.
- Added USB hub support for SIO with necessary added delay.

P04-0007

- Added new update for D0 Step Pentium III processors.
- Updated Video BIOS to 6.2 Production Version 2313

P03-0006

- Fixed message for 4 or more rows of 133 MHz DIMMs.
- Modified buffer strength for configuration of 2 single sided DIMMs and 1 double sided Dimm.

P02-0004

- Fixed ACPI S3 resume hang.

P01-0003

- Banner Change only.