



OPSD BIOS ENGINEERING

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

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FROM: Intel Customer Support

SUBJECT: 4K4UE0X0.86A Standard BIOS Production Release P11-0018

About This Release

- 4K4UE0X0.86A.0018.P11
- ATI Rage* IIC AGP Video BIOS version 3.087

Features/Errata Fixed In This Release

Release P11-0018

- Latest processor updates
- Fix for smartdrive application delay
- Fix for MOUSE DETECTED message being displayed during POST even when mouse not installed
- Fix for hang issue when installing Windows* 2000
- Fix for shutdown issue with Windows 98 Second Edition

Release P09-0016

- Corrected an issue with "Memory Decreased" error reporting.
- Corrected a hang issue during POST with some Pentium® II processors.
- Corrected a hang issue during POST with a special Cherry keyboard.
- Corrected a hang issue with an Intel powered USB hub.
- Updated copyright notice to 1999
- Corrected an issue with ACPI "unreported memory" error
- Updated processor update code
- Corrected an issue with DMI sub-function 4006h functionality.

Release P08-0015

- Corrected an issue with QuietBoot/Splash Logo functionality.
- Corrected an issue with POST and Setup processor identification.
- Corrected an issue with resume-on-ring.
- Added support for 400-MHz and 366-MHz Intel® Celeron™ processors.
- Added Windows* 2000 support.

Release P07-0014

- Fixed a issue where the system would resume from a modem during the Resume on Ring disabled portion of the Windows* 98 HCT's.
- Added code that prevents a hardware failure on older DEC bridge cards.
- Corrected a issue where "Legacy Mouse...Detected" was not being displayed during POST.
- Updated harddrive code to work with ATA4 compatible CD-ROMs.
- Fixed a issue where loading the Crystal audio drivers in OS/2 Warp* would cause the system to hang.

Release P06-0013

- Updated Quietboot code to support new user logo file format.
- Added code to reset the DMI MFG Access switch after an unsuccessful call.
- Added code to terminate each DMI structure with 2 nulls instead of just 1 (to comply with SMBIOS spec).

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

- Updated keyboard code to prevent certain keyboards from going undetected during POST.

Release P05-0012

- Modified the BIOS file generation procedure.

Release P04-0011

- Added support for 300-MHz Celeron™ processor
- Fixed incorrect LANDesk® Client Manager information regarding maximum supported processor speed and ECC support.
- Updated the LANDesk® Service Agent Boot ROM to v0.99j
- Added BIOS update for A2 stepping of Pentium® II processors
- Added CGA/MDA support.
- Fixed incorrect SPD DIMM timings.
- Fixed issue with Terminate Disk Emulation (Int 13 Function 4B).
- Fixed issue where system would wake from suspend when Resume on Ring is set to disabled.
- Fixed issue when transitioning to ACPI mode. RTC alarms were not being set to don't care values.
- Fixed the issue where Windows* 98 was unable to enter ACPI mode if USB Legacy was enabled in Setup.

Release P03-0008

- Updated the LANDesk® Service Agent Boot ROM to v0.99h
- Changed the minimum speed for the Heceta fan control to 67% of full speed.
- Fixed issue where User can set CMOS defaults in Setup when an Administrator password is set.
- Fixed issues for Windows 98 WHQL HCT 7.5 ACPI tests.

Release P02-0006

- Fixed issue where PCI clocks to populated slots were being turned off causing devices plugged into those slots to not function.

Release P01-0005

- Included Quiet Boot feature.
- Included LANDesk® Service Agent Boot ROM v0.99f.
- Included support for IRQ3/4 sharing for COM ports.
- Included ACPI support.
- Included support for non-SPD SDRAM DIMMs.
- Included support for year 2000 century byte roll-over instantaneously.