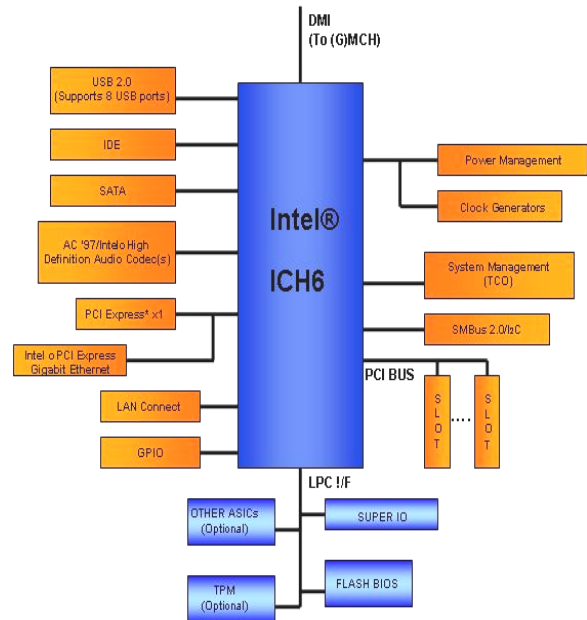


Insyde MobilePRO™ BIOS for the Intel 915 + ICH6 Chipset

■ Key Features

- **New PC standard compliant BIOS**
Crisis recovery from portable storage devices
- **Legacy USB1.1 and 2.0 support**
- **LPC and Firmware Hub Bus support**
- **PCI Express and SATA support**
- **New InsydeDebugger2.0 support**



The Intel 915 chipset is designed, validated and optimized for the Pentium 4 processor using today's high-volume and well-established DDR 533 RAM memory technology. Intel 915 chipset-based platforms, utilizing the DDR 533 RAM memory technology, extend the Pentium 4 processor capabilities throughout the mainstream PC market segments.

A Complete System Software Suite

Insyde Software offers PC, Information Appliance, and Embedded manufactures a complete system-level software solution for Intel's 915 chipset.

In addition, Insyde software has a world wide engineering support infrastructure to provide the highest level of support to assist manufactures get their system to market.

Insyde software's system-level software suite includes a core PC/AT BIOS ("Boot Loader"), and optional value added firmware layers for additional technologies; PCI, Plug and Play, Power Management, DMI, WfM, USB 1.1 & 2.0 and ACPI support.

Insyde Software's products are designed around

a modular core with easily customizable source code and development/debug tools that allows system engineers to implement OEM-specific features into the software and provides sophisticated design flexibility.

Insyde Software Standard BIOS Features:

- 100-percent AT-compatible core BIOS with PS/2 extensions
- PC2001 compliant core BIOS
- Year 2000 compliant
- Compressed binary image with integrated decompress engine
- OnNow PC2001 BIOS support – Fast boot per Simple Boot Flag Specification
- Plug and Play 1.0a compliant
- PCI 2.3 compliant
- PCI Express compliant
- USB 1.1 & USB 2.0 compliant
- SMBIOS 2.3 (formerly DMI BIOS)
- Easily customizable system configuration utility (SCU) with mouse and multi-language support
- DOS version flash utility
- Boot Block with Crisis Detect and Recovery



Intel 915 Specific Features

- FWH interface configuration
- LPC Bus interface configuration
- ICH6 built in device configuration
- Supports Intel High Definition Audio
- Serial ATA & AHCI configuration.
- 4 USB 1.1 controllers & 1 USB 2.0 controller configuration.
- Boot Block & Crisis recovery
- 400/533 MHz FSB
- ACPI Logic configuration
- Intel Hyper-Threading™ technology

Insyde Software Information Appliance & Embedded Features

- Binary Adaptation Program – allows the modification of the BIOS without source code
 - Logo change ability
 - Chipset register default
 - CMOS default
 - Update Video ROM
- USB PC Legacy support
- Disk-on-Chip support
- Integrated BIOS ROM debugger
- InsydeDebugger™
- Legacy Support for CardBus Controller

Insyde Software Advanced Features:

- Enhanced Boot Device support : PXE, FDD, CardBus, HDD, CD-ROM, DVD-ROM, PC Card, LS-120, ZIP, MO , 1394 HDD, USB storage device .
- Mobile PXE support
- Multiple language support
- Graphic POST
- Graphic and Keyboard-Less SCU
- Boot logo support
- Windows flash utility
- Serial Presence Detect (SPD) and MA-Table sizing method
- Keyboard & embedded controller firmware
- Keyboard Configuration Utility – greatly simplifies modification to the keyboard/embedded controller firmware
- Crisis recovery from multiple device: FDD, USB FDD, CDROM, USB CDROM

Insyde Software Power Management

- ACPI 2.0B compliant
- Intel SpeedStep™ technology
- Fully APM 1.2 compliant
 - CPU clock throttle
 - HDD timer
- Display timer
 - Global standby timer
 - Suspend timer
 - Suspend to RAM
 - RTC alarm resume
 - Suspend to Disk – File or Partition method (ACPI or Legacy)
 - RTC alarm and battery management
 - System management mode (SMM)
 - Hot Key support

Insyde Software Legacy USB Support

- Multi-USB 1.1 controller
- USB 1.1 & USB 2.0 compliant
- Multi-level USB HUB support
- Multi-device support : FDD, CD-ROM, Dongle DVD-ROM, Mouse, Keyboard, HUB

Storage IDE

- Interrupt 13h extensions
- Automatic IDE drive detection and configuration
- Enhanced IDE/ATAPI device detection, boot and run-time API support
- Four IDE driver support
- Fast PIO mode timing
- Burst mode support
- Automatic ATAPI IDE detection
- ATAPI detect and run-time API
- IDE Bus Mastering
- Advanced EIDE Features
 - Larger than 10GB
 - Primary and secondary channel support
 - 32 bit I/O
 - LBA assist
 - PIO modes 1-4 for CD-ROM
 - Ultra DMA 100 support
 - Drive lock IDE security

Storage FDD

- Dual floppy controller
- Toshiba and 3-mode floppy
- Floppy boot disable security



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