

# AMI Enterprise64 BIOS

## Key Features (Customization is Required)

- Supports Intel® Itanium® Processor Family
- Multiple CPU Nodes / Boards
- Multiple I/O Boards
- Field Replaceable I/O Boards
- Dynamic Reconfigurations
- MCA, INIT and PMI Support
- Remote Management

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**Enterprise64 harnesses the power of the Intel® Itanium® Processor Family, dynamically configuring servers with up to 16 processors without any change to the BIOS. Users can add CPUs, CPU modules, I/O modules anytime.**

## General Features

- Multiple node \*
- Multiple CPUs
- Multiple I/O Boards \*
- MCA, INIT, PMI
- Dynamic Detection of I/O Configuration
- Multiple I/O APICS
- SAL 3.1 Compliant (Mandatory Functions Only)
- ACPI 2.0 Compliant - ACPI Tables Support for Target platform
- SMBIOS 2.3.1 Compliant \* (As applicable to IPF systems)
- EFI 1.1 Specification (Only mandatory parts supported)
- Advanced IDE Features
- Enhanced Disk Drive (EDD) 3.0
- Multi-Language Setup\*
- Symmetrical Flash\*
- Hot Plug PCI\*
- LS-120, MO, Iomega® Zip™, DVD and CD-ROM
- I2C Based POST Code\*
- BIOS Recovery Support for Single node\*
- Console Redirection\*

## CPU / Chipset Support

- Intel® Itanium® Family Processors \* (Intel® Itanium® 2 and Compatible processors)
- Intel E870 Chipset

## MCA Support

- Reset Steady NVRAM MCA Error Logging \*

- Advanced MP-Environment \*
- Detailed Error Log SAL 3.1
- CMC and CPE Support

## PCI Support

- PCI Specification 2.1
- PCI-PCI Bridge Specification 1.0
- Bus Master Capability
- PCI-X
- Hot Plug PCI\*
- 64-bit PCI

## EFI Support

- Compliant with Intel EFI 1.1 Specification
- Built In EFI Shell
- EFI Protocols (EFI Spec. ver 1.1)
- EFI Runtime and Boot services (EFI Spec. ver 1.1)

## ACPI Support

- Fully ACPI 2.0 Compliant \*
- Extensive ASL Code Base to Support All System Devices \*

## Hi-Flex Setup Support

- Setup - CMOS Setup\*
- Hi-Flex Setup - Text Based Setup
- Classic AMIBIOS® Look and Feel
- OEM Specific Setup - Optional
- Customization Provided by OEM to Maintain Consistency across Product Lines

- Industry Standard Setup
- Text Based Menus
- Auto Time Adjust for Daylight Savings and Leap Year
- Multilevel Password Protection by Setup

## USB Support

- USB 1.1 under EFI
- Legacy USB
- Full Bus Enumeration
- Hot Insertion of USB Devices
- Hub Device Support
- Legacy Keyboard and Mouse Support

## NOTES:

\* *This feature requires additional code and customization for OEM specific porting. OEM porting is required to support any particular platform configuration. Third party option ROMs are required to support platform specific devices such as Video, SCSI, Network controllers and any other peripheral chips. Some of the features supported in Enterprise64 depend on Intel 870 chipset and Itanium 2 processors. Support of these features in the future is subject to these features being supported by future chipset and CPUs.*



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