AMIBIOS8 modular BIOS

American Megatrends

www.ami.com

AMIBIOS®8: Superior Reliability & Manageability

A Single Core For Any Application

Platforms in all x86 markets

- Desktop
- Mobile
- Server
- Embedded
- Ultra Mobile PC (UMPC)

Supports Multiple Silicon Vendors

Broad CPU & chipset support

- Intel®, AMD, NVIDIA, SiS, VIA, Broadcom & more
- Available on Intel® ECPD & UMG reference platforms

Partner Initiatives

Plugged into the latest technology

- Intel® vPro
- AMD Torrenza
- Microsoft WHEA

A Complete Solution

An end-to-end BIOS solution

- Modular code structure
- Template-based porting
- Stable codebase with an extensive source library

Development & Debug Tools

- Visual eBIOS (VeB)
- AMI Debug

Deployment Utilities

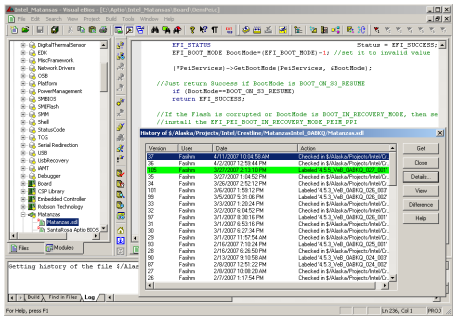
- Flash utilities for multiple operating systems
- AMIBCP, MMTool & Change Logo for ROM image maintenance
- DMIEDIT for SMBIOS data in manufacturing

Leveraging Over 20 Years of AMIBIOS Experience

Superior engineering has been the cornerstone of AMIBIOS® since 1986. AMIBIOS8 extends this experience into another generation of x86 platforms, offering innovative solutions anchored on innovative development tools and widely recognized industry standards.

Visual eBIOS

AMIBIOS8 is built around Visual eBIOS (VeB), the innovative development environment designed specifically for BIOS porting. VeB was released with the original AMIBIOS8 in 2001 and continues to simplify BIOS development worldwide by removing barriers normally associated with BIOS development in the command line environment:



Visual eBIOS (VeB)

> Project Wizards assist in project creation and porting, including graphical IRQ routing

> Source control integration: Source Safe, PVCS, ClearCase, Dimensions & Subversion

> AMI Remote Source Control (RSC): component updates on-demand ... 24/7/365

> Template-based porting model separates board-level changes from core features

> eModule structure allows source components to migrate across multiple platforms

Modular Code Components

AMIBIOS8 source is built using eModules™ ... modular code components that are easily integrated into project source code. This flexibility allows developers to readily customize a BIOS project using AMIBIOS8 components, or create custom reusable feature modules.

BIOS feature components and silicon support are distributed using the eModule model, creating a scalable BIOS solution. eModules simplify porting to new platforms, including BIOS maintenance and component upgrades.

Functionality & Technology Support

AMIBIOS8 features a smaller footprint, fast boot times, efficient power management features and support for a wide set of features, including:

> *Power Management:* ACPI, Embedded Controller, Intel® SpeedStep® and Enhanced SpeedStep®, AMD PowerNOW! and Cool n'Quiet

> *BBS Boot Options:* SATA, IDE, USB, LAN, Floppy

> *Trust & Security:* TCG/TPM, Intel® TXT

> *Virtualization:* Intel® VT, AMD-V™

> *Platform Management:* Intel® vPro™, Intel® AMT, IPMI, SMBIOS, ASF, Serial Console Redirection

> *Expansion Bus:* USB, PCI, PCI-X, PCIe, ExpressCard

Due to its flexible architecture, AMIBIOS8 is ideal for embedded platforms, easily blending features from different PC market segments.

For more information, visit www.ami.com/amibios8

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