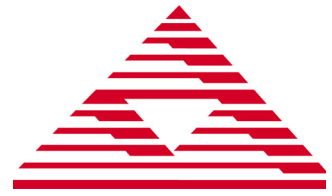


# Aptio 4

## The Complete UEFI Development Solution



### MOVING BEYOND BIOS

Aptio® is the next-generation solution for BIOS, incorporating over 25 years of experience delivering AMIBIOS® solutions and moving beyond legacy BIOS limitations. Aptio is a highly modular solution, portable across a variety of platforms. The Aptio driver model, based on UEFI and the Framework, delivers greater flexibility than BIOS and provides new opportunities for applications in the pre-boot environment

### LEVERAGING UNIFIED EFI AND THE FRAMEWORK

Aptio takes advantage of several specifications that have grown from the original Extensible Firmware Interface (EFI). The industry extended EFI through the Unified EFI (UEFI) specifications, adding improvements such as USB 3.0 protocols and x86-64/EM64T (x64) processor bindings. Aptio is implemented in C, enabling the BIOS industry to easily and quickly develop UEFI-based firmware solutions for new platform designs.

### BUILDING ON AMI EXPERTISE

Aptio leverages UEFI to create a next-generation BIOS solution, while adopting concepts that have led to the success of AMIBIOS8 in the PC market.

- Aptio uses Visual eBIOS (VeB), a development environment for BIOS porting, that features:
  - Project Wizards for project creation and porting, including graphical IRQ routing
  - Source control integration with Source Safe, PVCS, ClearCase, Dimensions, Subversion
  - AMI Remote Source Control (RSC) for 24/7/365 on-demand component updates
- A template-based porting model that separates board-level changes from core features
- The eModule structure allows source components to migrate across multiple platforms
- An extensive source library for the latest silicon and technology support
- Support for the latest technologies, such as FastBoot and SecureBoot

### FUNCTIONALITY AND TECHNOLOGY SUPPORT

Customers moving their platforms from legacy BIOS to Aptio will find a number of product features designed specifically for a smooth transition:

- The Compatibility Support Module (CSM) adds legacy BIOS interfaces to Aptio for supporting UEFI and existing OS applications
- AMI worldwide engineering support, cross-trained for Aptio and AMIBIOS8 solutions

### Standards Based

- Uses UEFI & the Intel® Platform Innovation Framework for EFI
  - UEFI IA32 & x64 bindings
  - Integration with Intel EDK

### A Single Core for Any Application

- Validated solutions in multiple PC market segments
  - Desktop
  - Mobile
  - Server
  - Embedded
  - Tablet
  - UMPC

### Supports Multiple Silicon Vendors

- Broad CPU & Chipset support
  - Intel®, AMD, VIA
  - Available on Intel & AMD reference platforms

### A Complete Solution

- Product Ready UEFI Solution
  - Aptio Core
  - Optimized codebase
  - Template-based porting
- Development & Debug Tools
  - Visual eBIOS (VeB)
  - AMIDebug™ for UEFI
- Deployment Utilities
  - Flash utilities for multiple operating systems
  - AMIBCP, MMTool & Change Logo for ROM image maintenance
  - DMIEDIT for SMIBIOS data management
  - AMIDiag® for UEFI for testing and burn in



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