

## MOVING BEYOND BIOS

AMI presents Aptio® as the next-generation solution for BIOS. Aptio incorporates over 25 years of experience delivering AMIBIOS solutions while 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 higher flexibility than BIOS and provides new opportunities for applications in the pre-boot environment.

## THE AMI FAST BOOT ADVANTAGE

The modular structure of Aptio® offers multiple advantages. UEFI architecture provides enhanced code reusability across multiple projects. Selected modules can be inserted or eliminated on specific projects to optimize code size. Code flexibility enables a number of boot optimization techniques that can be applied to several steps in the boot process.

Recent Aptio releases implement a wealth of boot optimization techniques, which vary with project characteristics. The Fast Boot eModule facilitates BIOS boot time optimization, enabling AMI to deliver boot times of less than one second on selected embedded platforms. The Performance Measurement eModule can be utilized to collect the UEFI driver performance information, then analysis in OS.

## FAST BOOT ON INTEL® NEXT GENERATION MOBILE PLATFORMS

Aptio meets rigorous testing operations with flying colors, consistently producing platforms that pass Microsoft's requirement for BIOS boot times.

Leveraging over 25 years of BIOS development, AMI can assist customers to keep boot times low by constant support throughout development and testing.

### Fast Boot Optimization

- AMI obtained excellent boot times on several platforms
  - Mobile: < 2 seconds on Intel® next generation platforms
  - Embedded: Sub-second boot times
- All unneeded platform features should also be disabled
- Platform hardware configuration can limit fastboot
- Please check with AMI for the latest times for your chipset

### Supports Multiple Silicon Vendors

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



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