



Diagnostic and Burn-in Solution



The Native UEFI Diagnostics Program

AMIDiag™ for UEFI is the first comprehensive diagnostic program for UEFI that does not require any dependency on legacy BIOS. It supports testing in the Aptio 4.x, Aptio 5.x and EDK II environments. All diagnostics are performed directly on the hardware, without interference from OS device drivers or interfaces that may alter or hide certain hardware, to provide reliable and secure test results.

AMIDiag for UEFI has an easy-to-use user interface and supports UEFI-compliant AMI and third-party hardware drivers for device-specific testing. AMIDiag for UEFI can be embedded directly into the BIOS ROM, adding value and increased functionality to the BIOS. This means that it can be launched from the ROM for improved execution speed, which is particularly useful in burn-in testing.

Features:

Extensive UEFI Testing



- True hardware diagnostics for UEFI
- Supports Aptio® 4.x, Aptio® 5.x and EDK II

System Testing for Computer Manufacturing

Reduce Returns and Enhance Customer Satisfaction

- Comprehensive Diagnostics
- Support for IA32 and x64
- Supports the latest CPUs from Intel® and AMD®
- Execute from central manufacturing repository
- ROM capable; can be added directly to BIOS



A Comprehensive set of Diagnostic Tests

AMIDiag provides testing for all system components, including:

- System CPU and Memory (including multiple processors)
- Hard Disk and Mass Storage Devices
- CD/DVD and other peripherals
- Keyboard, Video and Mouse
- Network Interface
- Standard protocols such as SCSI, PCI, USB and ACPI



Flexible Usage Options

AMIDiag is a powerful diagnostic tool for manufacturing that is flexible enough to automate the testing process or burn-in. All errors can be logged and analyzed. The user can specify a variety of execution options.

AMIDiag for UEFI has scripting capabilities that can be used in batch mode for repeat cycle testing to implement robust burn-in quality procedures. The program can be run continuously for a predetermined number of passes or a predetermined amount of time.

The user can specify the order of test execution, set a wait-on error option that requires user intervention before proceeding, or set an order to stop on error. An interactive flag can also be set. Abbreviated versions of the tests can be run in Quick Test Mode, allowing for a complete system test in a shorter period of time.

Features:



Benefits Multiple Users – Completes BIOS & PC technology programming skills

- Computer Manufacturers
- Design Engineers
- Technical Support Personnel
- Repair Technicians
- End Users

Simple to Use

- Runs batch and script files
- Saves script files
- Graphical Diag available for easier to use interface
- Single key identifies a group of tests, such as Memory or USB

AMI Diag for UEFI SDK

- Allows creation of new tests to be added to the diagnostics already available
- Documentation available so that a software engineer can easily add a test plugin
- Custom tests have the same privileges as builtin tests in terms of interaction with the main module, user interface, logging or execution.

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