

AMIDiag Suite 2.0

Comprehensive System Diagnostics



AMIDiag Suite tests and diagnoses every hardware subsystem, providing detailed reports on every problem it finds. Its advanced burn-in capabilities and Trouble Ticket will make system builder's life easier, from design and manufacturing of a PC platform to post-sale service.

Data Sheet

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HIGHLIGHTS

- > Compatible with DOS, Windows 95/98/ME/NT/2000/XP
- > Support for Intel and AMD CPUs with No Speed Limitations
- > System Information and Diagnostics for Major Components - Interactive and non-interactive
- > Multi-cycling batch capability
- > Extensive CPU, memory and peripheral tests

QUOTES

- > "AMIDiag is a powerful tool that reaches across several technical situations. The product's ability to perform tests in the Windows environment, coupled with extensive testing capabilities when run under DOS, offers technicians the tools to overcome most any hardware problem in a short amount of time."
Computer Reseller News, Test Center, November 2002

AMIDiag Suite includes two powerful diagnostics that work under both the Windows and DOS environment. Together, the two programs become a powerful tool.

AMIDiag for Windows applies the Common Diagnostic Model standard. This means it reads and runs any CDM-compliant diagnostic module that may be provided by other component manufacturers. AMIDiag is also capable of concurrent testing under Windows.

AMIDiag for DOS has been successful since 1990, thanks to its detailed testing capabilities at the hardware level and to batch looping.

AMIDiag Suite provides a wide set of tests, with a main focus on critical components. For example, it supports up to 64GB of memory with 21 tests. The motherboard module provides several tests for PCI, SMBus and CMOS. AMIDiag suite is an excellent debugging tool for PC, notebook and server designers.

In manufacturing of PCs and motherboards, AMIDiag's scripting and advanced batch capabilities enable the automation of product testing for hours,

for a complete stress-test and burn-in.

In post-sale service and maintenance, AMIDiag quickly identifies any hardware problem when troubleshooting, reduces RMAs wrongfully attributed to hardware defects. A detailed Trouble Ticket can be e-mailed to remote service location.

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www.ami.com

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Features

AMIDiag 2.0 FOR WINDOWS

Multi-Level Diagnostics - Basic and Extended
Halt On Error and Configurable Test
Timeouts
Batch Tests with Looping
CDROM Tests
- Sequential Read & Random Read
- Read/Write Test (XP Only)
Processor Tests
CPU Register - CPU Stack
CPU Instructions - CPU Bit Set
FPU Control Word
MMX Read Write - MMX Instruction Set
MMX Saturation Wrap Around
MMX Matrix Transpose
Motherboard Diagnostic Tests
CMOS - PCI Scan
PCI Device Access - PCI Config Space
SMBus Register - SMBus Status
SMBus Analysis
Floppy Tests
Random Read - Random Seek
Sequential Read - Random Seek
Read/Write - Verify
Hard Disk Tests
Random Read - Random Seek
Sequential Read - Sequential Seek - Verify
Memory Tests
Walking 0 - Walking 1
Parity - Pattern - Read/Write
Incremental - Decremental
BitStuckLow - BitStuckHi
Checkerboard - Casline - Stress Test
Modem Tests
Dial Tone - Dial Tone & Loop
AT Command Back - Service Class
Network Tests
Network Ping (Multiple Addresses)
Network HTTP (Multiple Addresses)
Parallel Ports
Port Register Test
External Loopback Test
Serial Ports Tests
Register - Data Transfer - Interrupt ID
External Loopback - Line Status
Video Tests
Gradient - AVI - Pattern
Video Resolution - Text - 3D

AMIDiag 2.0 FOR WINDOWS (cont.)

Zip/LS120
Sequential Read - Random Read
USB Tests
Enumeration and Configuration
Audio Non-Interactive Tests
Playback - Frequency - Record Gain - Range
Stereo - Mixer - CD Cable - TAD Cable
Interactive Diagnostics: Keyboard, Video,
Mouse, Audio
Trouble Ticket
System Information
Motherboard Resources - USB
Enhanced VGA - ACPI - Printer
Storage Information
IDE - DVD - LS120 Test
ZIP Drive - SCSI Information/Test
Miscellaneous Tests
AGP - Enhanced Serial Port with Loopback
Enhanced Parallel Port with Loopback
Connect to System Tools
OS Information
Internet - System Files - NT Services
Windows Class - Active Module & Process

AMIDiag 6.20 FOR DOS

Test Control: Condensed Scripted, Scripted &
Batch Mode Testing
Interactive/Non-Interactive
Quick Test Mode with Additional Tests
Single/Multi Cycles Batch Testing
Test Progress Status - Test Result Logging on
a File, COM: or LPT: Port
Customizable Log File
Integrates with System Management Products
Configuration Summary to File
Allows Running from RAM Drive when
Booting from Floppy
Input/Output Redirection via COM Port
(VT100 Interface)
CPU Tests: Intel, AMD, IBM, Cyrix
Detects & Verifies CPU Speeds Without
Speed Limit
Tests MMX, 3DNow!, SSE & SSE2
Instructions
Memory Tests
Memory Fault Isolation
Up to 64GB Memory Supported

AMIDiag 6.20 FOR DOS (cont.)

Works with a Memory Manager Loaded
Parity, Pattern & Extended Pattern
Walking Os & 1s - ROM Pattern
Refresh - Cache Memory - L2 Cache
Quick Cache - Quick Data - Address Bus
Memory Interleave - Bank Failure
Reporting - ECC Error Monitoring
Supports Memory Holes
BIOS ROM Tests
Multi-Processor (up to 16 Processors)
Hyper-Threading Support - CPU Steppings
Target Speed & L2 Cache
Detection of Incompatible CPUs
Multi-Processor System Information
System Board Tests
Serial & Parallel Port Tests - IrDA Test
CMOS & FPU - Speaker - Plug & Play
(PnP) - DMA & Interrupt Controllers
EISA & Enhanced PCI Buses
PCI Bus Stress (Standard & Master PCI
Cycles)
Other Hardware Diagnostics
SMBus & SMBus Controller
LM75 & LM80 - SCSI Device Tests
IDE Hard Disk (up to 16 IDE Drives)
IDE CD-ROM - IDE DVD-ROM
ATAPI Tapes - ATAPI LS120 & ZIP
Floppy Disk Drives - Modem
ISA Sound Card - PCI Sound - Integrated
Sound (Intel Chipsets)
CardBUS Controller-COM & Parallel Tests
Network Tests : IPX & NetBIOS, Ping
Test , Intel 8255x-Based HW Test
Video, Mouse, Video controller & monitor
ACPI Tests - DMI 1.2 & 2.0
SMBIOS 2.1, 2.2 & 2.3
USB Tests
Detailed System Information



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