

Micro-Scope Duo

Technical Specification Sheet

Product Overview

Single disc program operation
Bootable CDROM
Unlimited test reports
Multi-cycle burn-in testing
Multi-media testing
Latest CPU support AMD, Intel
ATAPI device usage
Advanced USB Controller tests
User friendly interface
Advanced memory testing
Modem tests up to 115,200 baud

Specialist Features

USB Utilities

OHCI, UHCI & EHCI Controller detection & test
Root Hub device information
8 Host controllers

SCSI Utilities

Device identification
Selectable Interleave support
Low-level format, Bad block assignment

Progressive Hard Drive Utilities

ST506/412 & IDE drives
Read verify, Time Testing, HPA
UDMA (66/33/100/133/150)
48bit addressing
Controller diagnostics

Save & Restore Utility

CMOS settings, Master Boot Record

Secure Wipe Disk

DOD Standard Security Disk Erase Feature

System Management BIOS Information

Partial system & burn-in testing

Hardware Specification Image file

System stress test

Supports IT training

A+ Certification, Troubleshooting & Advance Troubleshooting courses, MSCE, Networking

Test Accessory Options

POST Probe ISA/PCI POST Code Reader
Site License options available

System Asset Configuration

Machine Type and Operation

Processor type and speed
Co-processor identification
BIOS signature and release date
Bus detection

Interrupt Vectors

Value and usage

PCI (all devices, I.D., location, type, size)

Network

Adaptors

Option ROM Detection

S.M.A.R.T. Drive Reporting

Display SMART Drive Attributes to determine all SMART Drive failures

System Memory

Base, extended and expanded
Internal and external cache size
Memory Viewer, Extended Memory Viewer

Multimedia

Multiple CD-ROM/DVD drive support
PCI/ISA Audio & Video cards

Video Adaptors

S/VGA

Video memory sizing

VESA 2/3 support
Memory support up to 4Gb

Disk Drives

Installed hard and floppy drive sizes
Controllers, Sector Editor

IDE (PATA/SATA) & SCSI Editor

IRQ Assignments

Advanced Configuration and Power Interface Information

Component Testing

Memory (stick)

6 different patterns, Pseudo-Random, XOR'ed Address, Bit Test (Short & Long), Grid Test (Short & Long)

Memory

Integrated & external cache memory
Cache fault detection algorithms
L3 cache support

Refresh and address line

Hard Drive (up to 8)

RLL/MFM, ESDI, IDE (PATA/SATA/RAID), SCSI
Read/Write tests, Safe Write and Format Tests

Bad Block Assignment

Controller diagnostics

UDMA (33/66/100/133/150)

48bit addressing

Floppy Disk Drive (up to 4)

Read/Write tests, Safe Write and Format Tests
Controller diagnostics

CD-ROM/DVD Drive (up to 8)

Read Test, Random Seek Test

USB

UHCI, OHCI & EHCI

USB Host Controller information

Host Controller and Data Transfer Test

FireWire

Controller Detection

Serial Ports (up to 4)

Handshake signals, interrupt generation

Individual pin testing, IRQ display

FIFO exercise,

External Loop-back (9 & 25 pin)

Parallel Ports (up to 3)

Controller diagnostics, printer output-

Status port, interrupt generation

Controller testing, Individual pin testing

IRQ display, EPP & ECP port support

External Loop-back

Motherboard

DMA controller, CMOS settings, CMOS RAM, real-time clock, system timers

Interrupt controller, keyboard controller

Video Adaptor

Monitor alignment linearity and dead

LCD

Pixels

Video memory, character set & attributes

Mode menu for VESA

Test cards, High/True color, Check

Gamma, and Check color linearity

Keyboard

Full functionality test, controller signals

Scan codes, LEDs, key operations

Mouse

Driverless testing

Operations, 2 or 3 button

Text and graphics modes

Processor & Co-processor

Type identification & testing

Processor Benchmarks

instructions testing

Multi-Processor type identification & testing

Multimedia

Sound card, AC'97 PCI Audio support

FM & sampled audio tests

Driverless CD-ROM/DVD analysis

ATAPI Devices

LS-120, Zip drives

Magneto optical cartridges up to 128Mb

Modem (up to 4)

Generates carrier & dialing tones

Internal analogue loop-back