

**Product Overview**

- ◆ Bootable CDROM, USB memory stick or floppy disk (no OS needed).
- ◆ PXE network boot option.
- ◆ Over 40 command line options.
- ◆ Unlimited test log files & reports.
- ◆ System file editor.
- ◆ Multi-cycle, timed, pass burn-in test.
- ◆ Multi-media testing.
- ◆ Latest CPU support AMD, Intel, etc.
- ◆ I/O Port mapping.
- ◆ ATAPI device usage.
- ◆ Advanced USB Controller tests.
- ◆ User friendly interface.
- ◆ Advanced memory testing.

**Specialist Features****USB Utilities:**

- ◆ OHCI/UHCI/EHCI controller detection test.
- ◆ Root Hub device information.
- ◆ 20 Host controllers & 60 Root hub ports can be tested at one time.

**SCSI Utilities:**

- ◆ Device identification.
- ◆ 1:1 Interleave support.
- ◆ Low-level format, bad block assign.

**Progressive Hard Drive Utilities:**

- ◆ IDE, SATA, PATA drives.
- ◆ Read verify, Timed Testing, HPA
- ◆ UDMA (66/33/100/133)\*.
- ◆ 48bit addressing.
- ◆ Controller diagnostics.

**Eurosoft Script Utility:**

- ◆ System File Editor.
- ◆ Record test starting times/dates.
- ◆ Track hardware problems.
- ◆ File location option.

**Save & Restore Utility:**

- ◆ CMOS settings, Boot Block

**System Management BIOS Information.****Configuration Manager.****Custom ROM Sizes.****Partial system & burn-in testing.****Hardware Specification Image file.****System Asset Configuration:****Machine Type and Operation:**

- ◆ Processor type & speed ACPI Table test.
- ◆ BIOS signature and release date.

**Interrupt Vectors**

- ◆ Value and usage.
- ◆ PCI - I.D., location, type, size.

**System Memory**

- ◆ Base, extended and expanded.
- ◆ Internal and external cache size.
- ◆ PCMCIA & PC Card.
- ◆ Memory and Linear Address Viewer.

**Multimedia**

- ◆ Multiple CDROM/DVD support (I).

- ◆ PCI/ISA 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 Viewer.

**Device Drivers**

- ◆ Type and identification.

**Network Adaptors.****Mouse Installation.****IRQ Assignments.****Advanced Power Management.****Advanced Configuration and Power.****Interface Information.****Component Testing****Memory (Up to 64 modules)**

- ◆ Module seating.
- ◆ Microtopology Locality.
- ◆ Inversion tree.
- ◆ Stride Isolation.
- ◆ Chaotic addressing.
- ◆ Block rotation, module-by-module.
- ◆ Optional user pattern.

**Cache Memory**

- ◆ Integrated & external cache memory.
- ◆ Cache fault detection algorithms.
- ◆ Auto-repeat without Burn-in mode.
- ◆ L3 cache support.
- ◆ Refresh and address line.
- ◆ Multi-core shared level 2 cache support

**Hard Drive (IDE, SATA, PATA, SCSI\*)**

- ◆ Mechanical stress testing.
- ◆ Non-destructive read/write..
- ◆ Destructive write tests option.
- ◆ Controller diagnostics.
- ◆ UDMA (66/33/100/133)\*.
- ◆ 48bit addressing.
- ◆ Read verify.
- ◆ Time Controlled Testing.
- ◆ HPA support.
- ◆ SMART Testing
- ◆ Performance check

**Floppy Disk Drive (1 to 2)**

- ◆ Write protect, disk change.
- ◆ Read/Write tests, Controller diagnostics.

**Stress Testing**

- ◆ Tests for hard drive, DVD/CDROM, CPU, memory and graphics cards
- ◆ Command line scripting of sub-tests.

**USB**

- ◆ UHCI, OHCI & EHCI.
- ◆ USB information.
- ◆ Device listing.
- ◆ External Port Plug (L).
- ◆ Functional test.

**Trusted Platform Module (TPM)\*****Serial Ports (maximum 8)**

- ◆ Handshake signals, interrupt generation (L).
- ◆ Individual pin testing (L).
- ◆ IRQ display, FIFO exercise (L).
- ◆ Internal loopback
- ◆ ePoS option.

**Parallel Ports (maximum 3)**

- ◆ Printer output - Status port.
- ◆ Interrupt generation (L).
- ◆ Controller testing.
- ◆ Individual pin testing (L).
- ◆ EPP/ECP port support (L).

**Motherboard**

- ◆ DMA controller, CMOS settings.
- ◆ PCI.
- ◆ CMOS RAM, system timers.
- ◆ Interrupt and keyboard controller.

**Video Adaptor**

- ◆ Monitor alignment linearity and dead LCD pixels.
- ◆ Memory, character set & attributes.
- ◆ Test cards, High/True colour, Check Gamma, and Check colour linearity.

**Keyboard & PS/2**

- ◆ Functionality test, controller signals, Scan codes, LEDs, key operations (I).

**Mouse**

- ◆ Driverless testing.
- ◆ Operations, 2 or 3 button (I).
- ◆ Text and graphics modes.

**Processor & Co-processor**

- ◆ Type identification & testing.
- ◆ MHZ Monitor.
- ◆ Full 3D-NOW! SSE/SSE2 and MMX instructions testing.
- ◆ Multi-Processor type identification & testing.
- ◆ Support for 64 processors/cores/threads.

**Network Cards (Gigabit cards and above only)**

- ◆ Controller tests.

**DVD/CDROM Drive (1 to 4)**

- ◆ Transfer test, Random Seek (I).
- ◆ Read, Play, DVD Laser Refocus (I).

**PCI Express**

- ◆ Negotiated link width verification.

**Multimedia**

- ◆ High Definition Audio
- ◆ Sound card, AC'97 PCI.
- ◆ FM & sampled audio tests.
- ◆ Driverless CDROM/DVD analysis (I).

**ATAPI Devices**

- ◆ LS-120, Zip drives,
- ◆ Magneto optical cartridges.

**Modem (1 to 4)**

- ◆ Writable registers.
- ◆ Generates carrier & dialling tones.
- ◆ Internal analogue loop-back.

\*BIOS support required, (L) Requires a loop back (I) Interactive test