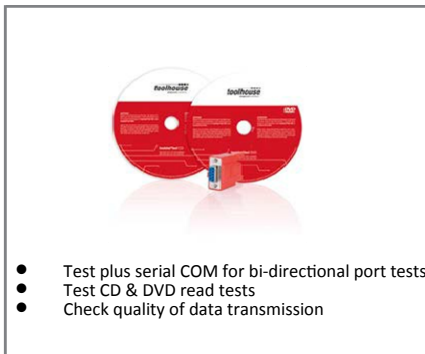# toolstar®test LX

Bootable, Linux based hardware testing software for all x86 and x64 based platforms.

Highlights

- Multiple hard drives can be analyzed concurrently to determine which disks may have problems.

- 100s of available tests for: Processor, Motherboard, Memory, Storage Devices (SSD, HD, CD/DVD, Graphics, Sound, USB, Serial, Parallel Ports, Network, Keyboard-Mouse-Touchpad tests, Power Supply-Battery tests

- Available on USB or

- Available built-in disk wiping utility for erasing hard drives, SSD's, USB, etc.

- Generates erasure report for each serial number drive erased.

- Unlimited use—use this tool as much as possible, license may be renewed annually if desired.

- Test plus serial COM for bi-directional port tests
- Test CD & DVD read tests
- Check quality of data transmission

toolstar®testLX is diagnostic software made by toolhouse for technicians, supporters, network administrators - just anyone who is responsible for the proper functioning of any x86 based platform. Our goal was to develop a product that would allow all components of a PC to be scrutinized for errors, with as little time as possible. In toolstar®testLX, we implemented experience we have gained over many years of cooperation with PC manufacturers and service companies. This is diagnostic software of the highest class, which is continues to be enhanced and developed to meet customer requirements.

toolstar®test LX is a self-booting test software, for any x86 or x64 platform, and works independently of any OS. This flexible test software can perform multiple simultaneous tests to quickly diagnose machine problems.

Difficult to find intermittent errors can now be found using included burn-in tests. Burn-in tests can be longer running, and multiple burn-in tests can be run concurrently to accurately identify the issue. Test results are written to a report file that is saved. With toolstar you can check the individual components with specially programmed stress tests. You determine which components should be tested for how long or how often. Up to 999 times or up to 999 hours. Different test patterns are preset, all tests are also freely selectable.

When network connectivity is available, a version of toolstar®test LX may be operated from a remote site for testing purposes.

toolstar®test LX is updated frequently with fixes and enhancements, as well as the ability to support new hardware components. New tests are also implemented in new versions to make your work easier.

Click https://www.virtual-io.com/x86-diagnostic-solutions to download a trial version of our software.

Motherboard

Board and BIOS Information (Manufacturer, BIOS Date, Chipset) PCI Device List, Details and Tests (Bus Scan Direct, BIOS: Device Search, 16-Bit Functions, 32-Bit Functions), Plug and Play, Interrupts, DMA and CMOS RAM / Real Time Clock Tests (Read, Write, Battery Status, Checksum, Diagnostic Status, Clock Ticking, Alarm)

Storage

Fast test, extended test, CPU cache test (random pattern, checkerboard pattern, windows mode, complementary bits, left and right-hand bits, large complements, distributed access, display of possible memory areas, SPD-Eeprom Reader

Interfaces

USB host controller, specifications, manufacturer, name and status. USB Device Overview and Details, Controller Test. Serial and parallel ports, matching test plugs are optional. (Internal loop-back test, handshake test, send / receive test, controller test, status port test)

Processor tests

CPU core (registers, stack manipulation, addressing modes, flags, integer arithmetic, BCD operations, bit operations, sequencer, string operations, processor I / O, exceptions) FPU (load and store, instruction set, rounds, and Truncation, exceptions), MMX unit, 3DNow! and SSE Unit (Data Transfers, Packed Arithmetic, Packed Comparisons, Data Conversion, Logical Operations, Shift Operations)

Graphics tests

Test image, lattice image, primary colors, grayscale, color gradations, video memory test, VGA split screen)

Drives

Tests for floppy disk drive (reading test, writing test (non-destructive), mechanics test, viewing sectors), tests for hard disk (reading test, writing test (non-destructive), mechanics test , viewing sectors, controller test), CD-ROM, DVD, ZIP, LS120, USB

Other:

Electronic Manual (Online Help) You can call up information about the operation or the tests that have been carried out using convenient online help at any time.