

Available Linux Diagnostics

February 9, 2010

A comprehensive list of supported PC-Doctor computer diagnostics for the Linux operating system. PC-Doctor supports the following tests for the Linux kernel version 2.6 or greater:

1 Audio Tests

- CD Audio
 - CD Audio Test
 - CD Audio Digital Extraction Test
- Sound Module
 - Surround Sound Test
 - Audio Loopback Test
 - Midi Test
 - Microphone Recording Test
 - Wave Test Both
 - Wave Test Left
 - Wave Test Right

2 Communications Tests

- Modem Module
 - Dial Tone Test
 - Modem Specific Test
 - Fax Command Test
 - Modem Loopback Test
- Intel NIC tests
 - Intel NIC Interrupt Test
 - Intel NIC External Loopback
 - Intel NIC AMT Test
 - Intel NIC FIFO Test
 - Intel NIC IP Security Test
 - Intel NIC Link Test
 - Intel NIC EEPROM Test
 - Intel NIC Loopback Test
 - Intel NIC TDR Test

- Intel NIC Register Test
 - Virtual LAN Test
- Network Test
 - ICMP Network Communications Test
 - Network External Loopback Test
 - Network Connectivity Test
 - Network Online Self Test
 - Network Offline Self Test
 - Wireless Signal Quality Test
- Parallel Port Module
 - Internal Read and Write Test
 - External Read and Write Test
- Serial Port External Module
 - Internal Register Test
 - Control Signals Test
 - Data Send and Receive Test
 - External Register Test
 - External Loopback Test

3 Other Devices Tests

- IEEE 1394 Diagnostic Module
 - Configuration ROM Test
 - Bus Reset Test
- Keyboard Module
 - Keyboard Interactive Test
- Mouse Interactive Test
 - Mouse Interactive Test
- PC Card Module
 - CIS Validation Test
- Printer
 - Printer Test
- USB Module
 - USB Standard Device Requests Test
 - USB Descriptors Test
- USB Detection
 - USB Port Detection Test
 - USB Device Enumeration Test

4 Storage Tests

- Drive Test Library
 - Linear Pattern Test
- OBIST
 - Optical Pickup Unit Test
 - DRAM Test
 - Flash ROM Test
 - Tray In Test
 - Tray Out Test
 - Spindle Test
 - Main IC Test
- SCSI Diagnostic Module
 - Self Test
 - Background Short Self Test
 - Background Extended Self Test
 - Foreground Short Self Test
 - Foreground Extended Self Test
- SMART Test
 - SMART Status Test
 - SMART Conveyance Self Test
 - SMART Extended Self Test
 - SMART Short Self Test
 - SMART Attributes Test
 - SMART Thresholds Test
 - SMART Log Read Test
 - SMART Selective Self Test
 - General Purpose Log Read Test
- Tape Drive Module
 - Linear Read Tape Test
 - Backup Tape Test

5 System Tests

- CMOS Module
 - Checksum Test
 - Pattern Test
- CPU Module
 - Register Test
 - Math Register Test
 - MMX Test

- SSE Test
 - SSE2 Test
 - SSE3 Test
 - Cache Test
- Inventory Tester
 - Inventory Test
 - Parts Test
- Memory Module
 - Pattern Test
 - Advanced Pattern Test
- PCI Module
 - Configuration Test
- SMBIOS Test
 - Standards Test
- SystemBoard Module
 - RTC IRQ Accuracy Test
 - RTC Accuracy Test
 - RTC Rollover Test

6 Video Tests

- Video Module
 - Video Memory Test
 - Data Test
 - Text Test
- AGP Module
 - Configuration Test
- Frame Buffer Module
 - Pattern Test
 - Advanced Pattern Test