



## Test List – January 2013

*PC-Doctor is continuously updating our diagnostic test offerings.*

Contact [sales@pc-doctor.com](mailto:sales@pc-doctor.com) for the most current list of diagnostics »

## Storage

- **Hard Drive**
  - Linear Seek
  - Random Seek
  - Funnel Seek
  - Linear Read
  - Pattern
  - Cache
  - Targeted Read
- **Solid State Drive**
  - Linear Read
  - Pattern
  - Random Seek
  - Wear Level
  - Targeted Read
  - SMART Wear Level Test
- **Blu-Ray Drive**
  - Funnel Seek
  - Linear Read Compare
  - Linear Seek
  - Random Seek
- **BD-RE Drive**
  - Read/Write
- **Card Reader**
  - Pattern
  - Linear Read
- **CD-ROM Drive**
  - CD Audio
  - Funnel Seek
  - Linear Read Compare
  - Linear Seek
  - Random Seek
- **CD-R Drive**
  - Read/Write
- **CD-RW Drive**
  - Read/Write
- **DVD Drive**
  - Funnel Seek
  - Linear Read Compare
  - Linear Seek
  - Random Seek
- **DVD+R DL Drive**
  - Read/Write
- **DVD-R DL Drive**
  - Read/Write
- **DVD+R Drive**
  - Read/Write
- **DVD-R Drive**
  - Read/Write
- **DVD+RW Drive**
  - Read/Write
- **DVD-RW Drive**
  - Read/Write

## • OBIST

- DRAM
  - Flash ROM
  - Main IC
  - Opu
  - Spindle
  - Tray In
  - Tray Out
- ## • HD DVD Drive
- Funnel Seek
  - Linear Read Compare
  - Linear Seek
  - Random Seek
- ## • SCSI Command Set
- Self Test
  - Background Short Self-Test
  - Background Extended Self-Test
- ## • SMART
- Conveyance Self Test
  - Extended Self-Test
  - Short Self-Test
  - Status
  - Thresholds

## System

- ## • Memory
- Address
  - Advanced Pattern
  - Auxiliary Pattern
  - Bit High
  - Bit Low
  - Checkerboard
  - Modulo20
  - Moving Inversion
  - Nibble Move
  - Walking One Left
  - Walking One Right
  - Windows Memory
  - Battery AC Test
  - Battery Charge Test
- ## • CPU
- Level 2 Cache
  - Math Register
  - MMX
  - Register
  - SSE
  - SSE2
  - SSE3
  - SSSE3
  - SSE4.1
  - SSE4A
  - SSE4.2
  - Stress
  - Floating Point Unit
  - Prime Number Generation

## System (continued)

- **Battery**
  - Battery Life Test
  - Battery AC Test
  - Battery Charge Test
- **PCI**
  - Configuration
- **PCI Express**
  - Status
- **PCMCIA Bridge**
  - Status
- **ReadyBoost**
  - ReadyBoost Test
- **CardBus Bridge**
  - Status
- **IEEE 1394**
  - Bus Reset
  - Config ROM
- **USB**
  - Status
- **USB Ports**
  - Status
- **CMOS**
  - Checksum
  - Pattern
- **System Board**
  - RTC Accuracy
  - RTC Rollover
- **Standby/Hibernate**
  - Standby Test
  - Hibernate Test
- **Serial Port**
  - External Loopback
  - External Register
  - Internal Control Signals
  - Internal Register
  - Internal Send and Receive
- **Parallel Port**
  - External Read and Write
  - Internal Read and Write
- **Lid Closure**
  - Lid Closure Interactive Test
- **AlienFX LED Verification**
  - AlienFX LED Verification Interactive

## Audio

- **Microphone**
  - Microphone Interactive
- **Sound Card**
  - Rough Audio
  - Playback Mixer State
  - Sound Interactive

## Communications

- **Network Card**
  - Network Cable Test
  - External Loopback
  - Network Link
  - TCP/IP Internal Loopback
  - Local Network Communication
  - Wireless Connectivity
  - Wireless Signal Strength
  - Data Transfer Verification
  - Internet Communication
- **Intel NIC Network Access Layer**
  - Intel NIC EEPROM
  - Intel NIC FIFO
  - Intel NIC Interrupt
  - Intel NIC Register
- **Mobile Broadband**
  - Connectivity
  - Signal Strength
- **GPS**
  - Communication
  - Lock
- **Bluetooth**
  - Bluetooth Test
  - Data Transfer Test
- **Modem**
  - Dial Tone
  - Fax Command
  - Last Call
  - Modem Loopback
  - Video
  - Modem Self Testing Loopback

## Video

- **Video Card**
  - Multiple Rendering DX9
  - Shader Rendering DX10
  - Shader Rendering DX11
  - Wireframe Shader Rendering
  - Shader Rendering
  - GPU Pipeline Data
  - Transform and Lighting Pipeline Stress
  - Transform and Lighting Pipeline Wireframe Stress
  - Fixed Transform and Lighting Pipeline
  - Fixed Transform and Lighting Pipeline Wireframe
  - Primary Surface
  - Thermal Cycle
  - Video Memory
- **CUDA**
  - Standard Mathematical Operations
  - Advanced Mathematical Operations
  - Pattern Test
  - Address Fault
  - Memory Fault
  - Address Test
  - Moving Inversion
  - Block Move
  - Random Number Sequence
  - ModuloX

- **Video Ports**
  - Video Ports Interactive
  - Video Ports Validation
- **TV Tuner**
  - TV Signal
  - Capture to Screen
  - Capture to File
  - FM Radio
  - Digital TV Signal
  - Clear QAM Digital Tuner Signal
- **Webcam**
  - Capture to Screen
  - Capture to File
- **AVI**
  - AVI Interactive
- **Monitor**
  - Monitor Interactive
- **Touchscreen**
  - Calibration
  - Coverage
  - Multi-touch

## External Devices

- **Keyboard**
  - Keyboard Interactive
- **Mouse**
  - Mouse Interactive
- **Touchpad**
  - Touchpad Interactive
- **Trackpoint**
  - Trackpoint Interactive
- **Printer**
  - Printer Interactive
- **Digitizer Stylus**
  - Digitizer Stylus Interactive



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