PC-Doctor for Windows Test List

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
  - NVDIMM Status
  - NVMe Status
  - NVME Wear Level
  - Read Speed
  - Write Speed
  - SCSI Wear Level
  - Targeted Read
  - SMART Wear Level Test

- Blu-Ray Drive
  - Funnel Seek
  - Linear Read Compare
  - Linear Seek
  - Random Seek
  - Read Performance

- BD-R Drive
  - Read/Write

- BD-RE Drive
  - Read/Write

- Removable Storage
  - Pattern
  - Linear Read

- CD-ROM Drive
  - CD Audio
  - Funnel Seek
  - Linear Read Compare
  - Linear Seek
  - Random Seek

- CD-R Drive
  - Read/Write

- CD-RW
  - Read/Write

- DVD Drive
  - Funnel Seek
  - Linear Read Compare
  - Linear Seek
  - Random Seek
  - Read Performance

- 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
PC-Doctor for Windows Test List

- **Linear Read Compare**
- **Linear Seek**
- **Random Seek**
- **Read Performance**

- **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**
  - **General Purpose Log Reader**
  - **Attributes**
  - **Log Reader**
  - **Selective Self-Test**

**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**

- **CPU**
  - **Level 2 Cache**
  - **Math Register**
  - **MMX**
  - **Register**
  - **SSE**
  - **SSE2**
  - **SSE3**
  - **SSSE3**
  - **SSE4A**
  - **SSE4.1**
  - **SSE4.2**
  - **AVX**
  - **AVX2**
  - **Stress**
  - **Floating Point Unit**
  - **Prime Number Generation**

- **Battery**
  - **Battery Life Test**
  - **Battery AC Test**
  - **Battery Charge Test**

- **PCI**
  - **Configuration**

- **PCI Express**
  - **Status**

- **PCMCIA Bridge**
  - **Status**

- **CardBus Bridge**
  - **Status**

- **IEEE 1394 PCI**
  - **Bus Reset**
  - **Config ROM**

- **USB**
  - **Status**
  - **Connection Speed Verification**
  - **Storage Performance**

- **USB Ports**
  - **Status**

- **CMOS**
  - **Checksum**
  - **Pattern**

- **System Board**
  - **RTC Accuracy**
  - **RTC Rollover**
  - **TPM Self-Test**

- **Standby/Hibernate**
  - **Standby Test**
  - **Hibernate Test**
  - **Simple Standby**
PC-Doctor for Windows Test List

- Simple Modern Standby
- Simple Hibernate

- 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

- Smart Card
  - APDU Test
  - Answer to Reset (ATR)
  - Attributes

- AlienFX
  - AlienFX Interactive

Audio

- Microphone
  - Microphone Interactive
  - Integrated Microphone
  - Frequency Tone

- Sound Card
  - Rough Audio
  - Playback Mixer State
  - Sound Interactive
  - 3D Sound Test

Communications

- Bluetooth
  - Bluetooth Test
  - Data Transfer Test
  - Bluetooth Detection Test

- Network Card
  - Network Cable Test
  - External Loopback

  - Network Link
  - TCP/IP Internal Loopback
  - Local Network Communication
  - Wireless Connectivity
  - Wireless Signal Strength
  - Data Transfer Verification
  - Network Link Speed Switch

- Intel NIC Network Access Layer
  - Intel NIC EEPROM
  - Intel NIC FIFO
  - Intel NIC Interrupt
  - Intel NIC Register
  - Intel NIC Combination Test
  - Intel DMA Coalescing
  - Intel EEE
  - Intel FCoE Transmit Receive
  - Intel Flash Security
  - Intel Hardware Alarm
  - Intel IP Security TSO
  - Intel IP Security
  - Intel MSIX Interrupt
  - Intel Single Queue QAV Bandwidth
  - Intel Queue QAV Bandwidth
  - Intel Constant Time QAV Fetch
  - Intel QAV Priority
  - Intel Wakeup Filters
  - Intel SCTP Receive CRC Offload
  - Intel SCTP Transmit CRC Offload
  - Intel Shadow RAM

- Near Field Communications (NFC)
  - NFC Read
  - NFC Write

- Antenna
  - Antenna Diversity
  - Wireless Signal Strength Verification

- Mobile Broadband
  - Connectivity
  - Signal Strength

- Modem
  - Dial Tone
  - Fax Command
  - Last Call

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PC-Doctor for Windows Test List

Video

- Video Card
  - Multiple Rendering DX9
  - Shader Rendering DX10
  - Shader Rendering DX11
  - Shader Rendering DX12
  - 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
  - AMD Free Sync
  - SLI
  - Stereo 3D Rendering
  - NVIDIA G-Sync
  - DXR Stress

- 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

- Multi-Media
  - Video Interactive

TV Tuner
- Digital TV Signal
- Clear QAM Digital Tuner Signal

RealSense
- Interactive RealSense Detection

Biometric Camera
- Face Detection

Webcam
- Capture to Screen
- Capture to File
- Edge Detection
- Luminance Depth
- RGB Channel
- RBG Color Depth
- RGB Line Amplifier
- RGB Line Driver
- RGB Pixel

AVI
- AVI Interactive

Monitor
- Monitor Interactive
- EDID Checksum
- EDID Verification

Touchscreen
- Calibration
- Coverage
- Multi-touch

Sensors

- GPS
  - Communication
  - Location
  - Lock
  - GPS Interactive

Gyrometer
- Gyrometer

Ambient Light
- Ambient Light Sensor

Accelerometer
PC-Doctor for Windows Test List

- Accelerometer
- Magnetometer
  - Magnetometer
- Fingerprint Reader
  - Sensor Status
  - Swipe
- Proximity Sensor
  - Proximity Sensor

External Devices

- Keyboard
  - Keyboard Interactive
  - Keyboard Layout
  - Keyboard LED
- Mouse
  - Mouse Interactive
- Touchpad
  - Touchpad Interactive
- Trackpoint
  - Trackpoint Interactive
- Printer
  - Printer Interactive
- Digitizer
  - Digitizer Corners
  - Digitizer Pressure
  - Stylus Barrell Switch
  - Stylus Erasure
- Joystick
  - Joystick
- Eye Tracker
  - Composite Eye Tracking

Utilities

- Inventory
  - Parts Test
- Drive Erase
  - ATA Enhanced Secure Erase
  - ATA Sanitize Block Erase
  - ATA Sanitize Crypto Erase
  - ATA Sanitize Overwrite
  - ATA Secure Erase
  - Drive Wipe
  - NVMe Format
  - NVMe Secure Erase
  - SCSI Sanitize Block Erase
  - SCSI Sanitize Crypto Erase
  - SCSI Sanitize Overwrite

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