Windows Test List

Storage

• Hard Drive
  o Linear Seek
  o Random Seek
  o Funnel Seek
  o Linear Read
  o Pattern
  o Cache
  o Targeted Read

• Solid State Drive
  o Linear Read
  o Pattern
  o Random Seek
  o Wear Level
  o NVDIMM Status
  o NVMe Status
  o NVME Wear Level
  o Read Speed
  o Write Speed
  o SCSI Wear Level
  o Targeted Read
  o SMART Wear Level Test
  o MMC Wear Level
  o NVMeExtended Self-Test
  o NVE Short Self-Test
  o NVMe Extended Self-Test
  o NVMe Short Self-Test
  o eMMC Wear Level Test
  o Optane Status Test
  o Optane Read Speed Test

• Blu-Ray Drive
  o Funnel Seek
  o Linear Read Compare
  o Linear Seek
  o Random Seek

  o Read Performance

• BD-R Drive
  o Read/Write

• BD-RE Drive
  o Read/Write

• Removable Storage
  o Pattern
  o Linear Read

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

• CD-R Drive
  o Read/Write

• CD-RW
  o Read/Write

• DVD Drive
  o Funnel Seek
  o Linear Read Compare
  o Linear Seek
  o Random Seek
  o Read Performance

• DVD+R DL Drive
  o Read/Write

• DVD-R DL Drive
  o Read/Write

• DVD+R Drive
  o Read/Write

• DVD-R Drive
  o Read/Write

• DVD-RW Drive
  o Read/Write

• DVD+RW Drive
  o Read/Write
PC-Doctor for Windows Test List

- **OBIST**
  - DRAM
  - Flash ROM
  - Main IC
  - Opu
  - Spindle
  - Tray In
  - Tray Out
- **HD DVD Drive**
  - Funnel Seek
  - Linear Read Compare
  - Linear Seek
  - Random Seek
  - Read Performance
- **SCSI Command Set**
  - Self-Test
  - Background Short Self-Test
  - Background Extended Self-Test
  - Thresholds
- **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 1394PCI**
  - Bus Reset
  - Config ROM
- **USB**
  - Status
  - Connection Speed Verification
  - Storage Performance
- **USB Ports**
  - USB Ports Status
PC-Doctor for Windows Test List

- **CMOS**
  - Checksum
  - Pattern

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

- **Standby/Hibernate**
  - Standby Test
  - Hibernate Test
  - Simple Standby
  - 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)**

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PC-Doctor for Windows Test List

- Antenna
  - Antenna Diversity
  - Wireless Signal Strength Verification
- Mobile Broadband
  - Connectivity
  - Signal Strength
- Modem
  - Dial Tone
  - Fax Command
  - Last Call
  - Modem Loopback
  - Modem Self Testing Loopback

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
- GPU Fan

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PC-Doctor for Windows Test List

- Fan Functionality
- Fan Interactive

Sensors

- GPS
  - Communication
  - Location
  - Lock
  - GPS Interactive
- Gyrometer
  - Gyrometer
- Ambient Light
  - Ambient Light Sensor
- Accelerometer
  - Accelerometer
- Magnetometer
  - Magnetometer
- Fingerprint Reader
  - Sensor Status
  - Swipe
- Proximity Sensor

External Devices

- Keyboard
  - Keyboard Interactive
  - Keyboard Layout
  - Keyboard LED
  - Volume Button
- 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
  - NVMe Sanitize Block Erase
  - NVMe Sanitize Crypto Erase Test

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