

# Linux Test List

## Storage

- **Blu-Ray Drive**
  - Funnel Seek
  - Linear Read Compare
  - Linear Seek
  - Random Seek
- **CD-ROM Drive**
  - CD Audio Digital Extraction
  - Funnel Seek
  - Linear Read Compare
  - Linear Seek
  - Random Seek
- **DVD Drive**
  - Funnel Seek
  - Linear Read Compare
  - Linear Seek
  - Random Seek
- **DVD-RAM Drive**
  - Funnel Seek
  - Linear Read Compare
  - Linear Seek
  - Random Seek
- **Floppy Drive**
  - Funnel Seek
  - Linear Read
  - Linear Seek
  - Pattern
  - Random Seek
- **Hard Drive**
  - Cache
  - Funnel Seek
  - Linear Read
  - Linear Seek
  - Pattern
  - Random Seek
  - Targeted Read
- **SMART**
  - Conveyance Self-Test
  - Extended Self-Test
  - Short Self-Test
  - Status
  - Thresholds
  - Selective Self-Test
- **SCSI Command Set**
  - Self-Test
  - Background Short Self-Test
  - Background Extended Self-Test
- **Solid State Drive**
  - Linear Read
  - Pattern
  - Random Seek
  - Wear Level
  - Intel Wear Level
  - Targeted Read
  - SCSI Wear Level
  - eMMC Wear Level Test
- **NVMe Drive**
  - NVMe Status
  - NVMe Wear Level
  - NVMe Extended Self-Test
  - NVMe Short Self-Test
- **NVDIMM**
  - Status Test
  - Wear Level
- **DVD Drive**
  - Funnel Seek
  - Linear Read Compare
  - Linear Seek
  - Random Seek
  - Read Performance
- **Removable Storage**
  - Pattern
  - Linear Read
  - Random Read
- **MMC Storage**
  - Linear Read

- Pattern
- Random Read
- Read Speed
- Read Write Speed

## System

- **IEEE 1394**
  - Bus Reset
  - Config ROM
- **Battery**
  - AC
  - Life
- **CMOS**
  - Checksum
  - Pattern
- **CPU**
  - Cache
  - MMX
  - Math Register
  - Register
  - SSE2
  - SSE3
  - SSE
  - AVX
  - Stress
- **Memory**
  - Address
  - Advanced Pattern
  - Auxiliary Pattern
  - Bit High
  - Bit Low
  - Checkerboard
  - Modulo20
  - Moving Inversion
  - Nibble Move
  - Walking One Left
  - Walking One Right
  - Pattern
- **Parallel Port**
  - Loopback
  - Register
- **PCI**

- Configuration
- **PC Card**
  - CIS Validation
- **Serial Port**
  - External Loopback
  - External Register
  - Internal Control Signals
  - Internal Register
  - Internal Send and Receive
- **System Board**
  - RTC IRQ Accuracy
  - TPM Self-Test
- **USB**
  - USB Standard Device Requests
  - USB Device Enumeration
  - USB Port Detection
  - Read Speed
  - Read Write Speed
- **IPMI**
  - Chassis Identify
  - Chassis Status
  - Controller Communication
  - Self-Test
- **Lid Closure**
  - Lid Test

## Audio

- **Microphone**
  - Microphone Recording
- **Sound Card**
  - Midi
  - Surround Sound
  - Wave Test Both
  - Wave Test Left
  - Wave Test Right

## Video

- **Video Card**
  - Video Data
  - Video Memory
  - Video Text

- AGP Configuration
- Basic Render
- GPU Advanced Pattern
- Pattern
- Matrix Multiplication
- **Monitor**
  - Monitor Interactive
  - EDID Checksum Test
  - EDID Verification Test
  - Advanced EDID Test
- **Touch Screen**
  - Multi-Touch
  - Calibration
  - Coverage
- **Webcam**
  - Capture To Screen
  - RGB Pixel
  - RGB Line Driver
  - RGB Channel
  - RGB Line Amplifier
  - RGB Color Depth
  - Luminance
  - Edge Detection
- **NVIDIA Graphics (CUDA)**
  - Address Fault
  - Advanced Mathematical Operations
  - Block Move
  - Memory Fault
  - Modulo X
  - Moving Inversion
  - Own Address
  - Pattern
  - Random Number Sequence
  - Standard Mathematical Operations
- **Video Ports**
  - Video Ports Test

## Communications

- **Modem**
  - Dial Tone
  - Fax Command
  - Modem Loopback

- Modem Specific
- **Network Card**
  - ICMP Network Communications
  - Network Connectivity
  - Network External Loopback
  - Network Offline Self-Test
  - Network Online Self-Test
  - Wireless Connection
  - Wireless Scan
  - Network Data Transfer Speed
- **Intel Network Card**
  - Intel Network Interrupt
  - Intel NIC AMT Test
  - Intel NIC EEPROM
  - Intel NIC FIFO
  - Intel NIC IP Security
  - Intel NIC Interrupt
  - Intel NIC Link
  - Intel NIC Loopback
  - Intel NIC Register
  - Virtual LAN
  - 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
- **Bluetooth Port**
  - Bluetooth Communication
  - Bluetooth Detection

## Other Devices

- **Keyboard**
  - Key Test
- **Mouse**
  - Mouse Test
- **Touchpad**
  - Touchpad Test

## Other Utilities

- **Inventory**
  - Inventory Test
  - Parts Test
- **Drive Erase**
  - ATA Enhanced Secure Erase
  - ATA Sanitize Block Erase
  - ATA Sanitize Crypto Erase
  - ATA Sanitize Overwrite
  - ATA Secure Erase
  - Drive Wipe
  - MMC Secure Erase
  - NVMe Secure Erase
  - NVMe Advanced Secure Erase
  - NVMe Sanitize Block Erase
  - NVMe Sanitize Crypto Erase
  - NVMe Sanitize Overwrite
  - SCSI Sanitize Block Erase
  - SCSI Sanitize Crypto Erase
  - SCSI Sanitize Overwrite
- **Network Configuration Utility**

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