



Roteiro de Testes do QUICK TECH PROFESSIONAL

Hard Disk Test

0001h - Controller Internal Diagnostic

0002h - Drive Ready
0004h - Recalibrate Drive
0008h - Linear Seek
0010h - Funnel Seek
0020h - Random Seek
0040h - Linear Read
0080h - Random Read

Hard Disk Read/Write Surface Test

0001h - Testing Memory Buffers
0002h - Surface Data Inversion

Com Port Test

0001h - COM Type Detection
0002h - IRQ Generation
0004h - Baud Rate Register
0008h - Line Control Register
0010h - Modem Control Register
0020h - Interrupt Control Register
0040h - Sizing FIFO Receiver
0080h - Verify FIFO Trigger Levels
0100h - FIFO Buffer Data & Address
0200h - Max Baud Rate Detection
0400h - Internal Loopback Status
0800h - Internal Loopback Transmitting

1000h - External Loopback Status
2000h - External Loopback Trans

Modem Test

0001h - Modem Detection
0002h - IRQ Generation
0004h - Device Product Code
0008h - Modem ROM Checksum
0010h - Modem RAM Self Test
0020h - Fax Class Support
0040h - Software Reset
0080h - Factory Default
0100h - Speaker Control
0200h - Volume Control
0400h - Dial/Connect Control
0800h - Hook Control

LPT Test

0001h - LPT Type Detection
0002h - Ext. Loopback IRQ Generation
0004h - LPT General Control Register
0008h - SPP/BPP/EPP Data Port
0010h - BPP Bi-Directional Operation
0020h - EPP Address Register
0040h - EPP Data Ports 0-3
0080h - ECP Control Register

0100h - ECP Internal FIFO Sizing

0200h - ECP FIFO Testing
0400h - ECP IRQ Assignment
0800h - ECP ISA IRQ Line Monitoring
1000h - ECP Configuration Registers
2000h - External Loopback

CD(DVD)-ROM Test

0001h - Drive Ready/Status OK
0002h - Media Presence and Valid
0004h - Door Lock/Unlock Support
0008h - Sequential Seek/Holding Track
0010h - Random Seek/Head Positioning
0020h - Sequential Coil Read
0040h - Random Read/Accurate Streaming

A.R.M.D. Test

0001h - Drive Ready/Status OK
0002h - Medium Presence
0004h - Linear Seek
0008h - Linear Read
0010h - Random Read
0020h - Linear Read/Write/Verify

Floppy Drive Test

0001h - Controller Diagnostic
0002h - Determine Drive Parameters
0004h - Linear Seek/Read
0008h - Funnel Seek/Read
0010h - Random Seek/Read
0020h - Linear Read/Write/Verify
0040h - Funnel Read/Write/Verify
0080h - Random Read/Write/Verify
0100h - Verify Rotation Speed

Sound Blaster Test

0001h - FM Hardware Detection
0002h - SB DSP Detection
0004h - DSP Interrupt Line
0008h - SB 8-Bit DMA Channel
0010h - Mixer Detection

PCI Bus Test

0001h - PCI BIOS Detection
0002h - PCI Buses Scan
0004h - Device Access Test
0008h - Device Search Test
0010h - Class Search Test
0020h - Check Device Status
0040h - Check Device BIST

Plug-and-Play Test

0001h - PnP BIOS Detection
0002h - Device Node Access
0004h - Verify Node Access
0008h - Check Node Resources

0001h - Read ISA PnP Cards

0020h - Check ISA PnP Cards

SM Bus Test

0001h - SM Bus Host Detection
0002h - SM Bus Host Registers Test
0004h - SM Bus Status
0008h - SM Bus Device Scanning
0010h - SM Bus Operation

Keyboard Controller Test

0001h - Kbd Controller Cmd Byte Access
0002h - Kbd Controller Selftest
0004h - Keyboard Interface
0008h - Keyboard Interface Disable
0010h - Keyboard Interface Enable
0020h - Keyboard Data line On/Off
0040h - Keyboard Clock line On/Off
0080h - Keyboard Overrun Handler
0100h - BIOS Buffer Overrun Check

APM Test

0001h - APM BIOS Detection
0002h - APM Real Mode Connect
0004h - APM 16-bit Connect
0008h - APM 32-bit Connect
0010h - APM Disconnect
0020h - CPU Idle/Busy
0040h - Get Power Status
0080h - Enter Standby Mode
0100h - Enter Suspend Mode

CPU Test

0001h - Protected Mode Instructions
0002h - Stack Manipulation
0004h - Flag Conditions
0008h - Arithmetic Instructions
0010h - Data Transfer Control
0020h - Execution Control
0040h - Processor Control
0080h - String Operations
0100h - IA MMX Instructions
0200h - Intel IA MMX-2 Instructions
0400h - AMD 3DNow! Instructions
0800h - Internet Streaming SIMD

FPU Test

0001h - FDIV Bug
0002h - FPU Busy Status
0004h - FPU Stack
0008h - FPU Tag Condition
0010h - Data Transfer & Constants
0020h - Compare Functions
0040h - Arithmetic Instructions
0080h - Transcendental Functions
0100h - Floating Unit Control

FALHAS MAIS COMUM APRESENTADAS NO DIAGNÓSTICO:

0001h - SM Bus Host Detection - Significa que a Placa mãe pode não tem o SM Bus (Não é defeito).

0100h - BIOS Buffer Overrun Check - Geralmente a falha é porque a Placa mãe não tem o recurso Buffer de Teclado.