
Note:

PC Certify puts the following information into the test log and saves it to the log file when you run a batch mode burn-in test. You may elect to log only the test summary or the full test results for each iteration (pass) that is run, plus the summary. The log file is opened, appended, and closed for each test so that if the test crashes the computer, the most recent test that passed is shown in the log.

The technician includes his name and system identification information in the log by invoking the Site Settings item in the main menu and entering that information in the form provided. The user's name comes from the information recorded by the user when he first ran PC Certify.

PC Certify Testing Log Date:12/20/00 Time:04:49 am

 Technician's name: Fred Smith
 Computer user's name: Bob Hurt
 Computer I.D.: B4793362
 Computer location: 1414 World Parkway, Clearwater, FL
 : 3rd Floor, Operations Center, Desk 6

 Batch Test File BURN-IN

CPU (Main system) Tests Pass 1 of 5

CPU quick test	Passed
CPU register test	Passed
CPU functionality test	Passed
CPU internal cache test	N/A
NPU register test	Passed
NPU functionality test	Passed
DMA channel 0 to 3 test	Passed
DMA channel 4 to 7 test	N/A
Interrupts 0 to 7 test	Passed
Interrupts 8 to 15 test	Passed
Timer channel test	Passed
RTC functionality test	Passed
RTC synchronicity test	Passed
RTC accuracy test	Passed
CMOS information test	Passed
CMOS RAM test	Passed
Extended CMOS RAM test	N/A

Memory Tests Pass 1 of 5

EMS memory tests	
EMS quick test	Passed
XMS memory tests	
XMS quick test	Passed
Memory from 00000000H to 68B840EDH, OK	
Video RAM tests	
Video RAM quick test	Passed
CGA text RAM test	Passed
CGA graphics RAM test	Passed

EGA graphics RAM test	Passed
MCGA graphics RAM test	Passed
VGA graphics RAM test	Passed
Diskette drive Tests Pass 1 of 5	
Testing drive 0	
Diskette quick test	Failed
Drive not ready	
Fixed disk drive Tests Pass 1 of 5	
Testing Drive 0: 12.72G, 26684784 LBA sectors (h=255, c=1661, s=63) LBA	
Fixed disk quick test	Passed
Drive ready test	Passed
Controller test	Passed
Recalibrate test	Passed
Fixed disk drive Tests Pass 1 of 5	
Testing Drive 1: 16.06G, 33683328 LBA sectors (h=255, c=2096, s=63) LBA	
Fixed disk quick test	Passed
Drive ready test	Passed
Controller test	Passed
Recalibrate test	Passed
Serial port Tests Pass 1 of 5	
Serial Port COM1:	
Serial port quick test	Passed
Register test	Passed
IRQ level test	Passed
Port is using IRQ4	
Modem detection test	N/A
Modem not found	
Modem dial tone test	N/A
Serial port Tests Pass 1 of 5	
Serial Port COM2:	
Serial port quick test	Passed
Register test	Passed
IRQ level test	Passed
Port is using IRQ3	
Modem detection test	N/A
Modem not found	
Modem dial tone test	N/A
Parallel port Tests Pass 1 of 5	
Parallel Port LPT1:	
Parallel port quick test	Passed
Register test	Passed
Data read/write test	Passed
Wrap plug may not be attached	
Video/Monitor Tests Pass 1 of 5	
DAC tests	
Graphics 320x200x256 (mode 13H) test	Passed
Keyboard Tests Pass 1 of 5	
Keyboard quick test	Passed

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Mouse Tests      Pass 1 of 5
  Mouse quick test                               Passed

Game port Tests  Pass 1 of 5

CDROM drive Tests  Pass 1 of 5
  Testing drive 0, F:
    CDROM quick test                             Failed
  Drive not ready
    Drive ready test                             Skipped
  Drive not ready

CDROM drive Tests  Pass 1 of 5
  Testing drive 1, G:
    CDROM quick test                             Failed
  Drive not ready
    Drive ready test                             Skipped
  Drive not ready

Sound Tests      Pass 1 of 5
  Sound Blaster Pro DSP Version 3.1
    Sound card quick test                       Passed
    Register test                               Passed
    IRQ test                                    Passed
      Using IRQ5
    DMA test                                    Passed
      Using DMA1
    Direct DSP test                             Passed
    DMA DSP test                               Passed

Printer Tests    Pass 1 of 5
  Printer Port LPT1:
    Printer quick test                           Passed

SCSI device Tests  Pass 1 of 5
  SCSI quick test                               Passed
  SCSI adapter test                             Passed
    Found 2 adapters
  SCSI device test
    Adapter 1, I.D. 1, LUN 0 - CD-ROM drive     Passed
                                                Passed

Y2K Tests       Pass 1 of 5
  Y2K quick test                               Passed

```

Note: The actual test log will show 4 repetitions of the above test results, labeling each as "pass 2 of 5", etc, for the full 5 passes, and will show which tests were successful and which failed. They are not being shown here for the sake of brevity.

Test Results Summary

Test Description	Passed	Failed	Skipped
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CPU (Main system)		
CPU quick test	5	
CPU register test	5	
CPU functionality test	5	
CPU internal cache test		5
NPU register test	5	
NPU functionality test	5	
DMA channel 0 to 3 test	5	
DMA channel 4 to 7 test		5
Interrupts 0 to 7 test	5	
Interrupts 8 to 15 test	5	
Timer channel test	5	
RTC functionality test	5	
RTC synchronicity test	5	
RTC accuracy test	5	
CMOS information test	5	
CMOS RAM test	5	
Extended CMOS RAM test		5
Memory		
XMS memory tests		
XMS quick test	5	
EMS memory tests		
EMS quick test	5	
Video RAM tests		
Video RAM quick test	5	
CGA text RAM test	5	
CGA graphics RAM test	5	
EGA graphics RAM test	5	
MCGA graphics RAM test	5	
VGA graphics RAM test	5	
Diskette drive		
Diskette quick test		5
Fixed disk drive		
Fixed disk quick test	10	
Drive ready test	10	
Controller test	10	
Recalibrate test	10	
Serial port		
Serial port quick test	10	
Register test	10	
IRQ level test	10	
Modem detection test		10
Modem dial tone test		10
Parallel port		
Parallel port quick test	5	
Register test	5	
Data read/write test	5	
Video/Monitor		
DAC tests		
Graphics 320x200x256 (mode 13H)	5	
Keyboard		
Keyboard quick test	5	
Mouse		
Mouse quick test	5	
CDROM drive		

	CDROM quick test	10	
	Drive ready test		10
Sound			
	Sound card quick test	5	
	Register test	5	
	IRQ test	5	
	DMA test	5	
	Direct DSP test	5	
	DMA DSP test	5	
Printer			
	Printer quick test	5	
SCSI device			
	SCSI quick test	5	
	SCSI adapter test	5	
	SCSI device test	5	
Y2K			
	Y2K quick test	5	

Note: The following information is added to the log manually by visiting the configuration and benchmark menus, selecting the item to be tested, and when the display is stable, pressing F10, F, Enter, and A to add the information to the test log. Much more information is available than is shown below.

The value of this information in the log is that the computer builder and the technician know what was in the computer and how it was configured at the time it was delivered to the user, so it can be used to help verify the configuration if the user comes back to complain that the computer is not functioning properly.

System Configuration Report
Date 12/20/00

PC Certify, Inc
Main computer

SYSTEM RATING		-----				
	Result	Poor	Fair	Good	Great	Wow!
CPU	Pentium II Celeron					X
Extended memory	63.0M		X			
Video memory	16.0M					X
Total disk space	27.50G					X
Free disk space	2.72G		X			
DOS Version	7.10					X
Windows version	4.00				X	

CONFIGURATION DETAILS -----

Computer type: AT Compatible
BIOS Date: 04/22/1999
BIOS Copyright: Copyright 1996-1999 Intel Corporation.

Processor: 450MHz Pentium II Celeron, Protected mode
CPUID: Family 6, Model 6, Step 5, vendor ID 'GenuineIntel'
Supports MMX: Yes
Coprocessor: (Built-in)
Bus type: ISA, PCI

MEMORY
Main memory: 636K Expanded memory: 65040K Extended memory: 64512K
Available: 590.6K Available: 16384K Available: 64336K

OPERATING SYSTEM
DOS version: 7.10
Windows version: 4.00 Windows 98
Installed in: C:\WINDOWS

PHYSICAL DRIVES
Diskette 0: 1.44 MB (3.5)
Fixed disk 0: 12.72G 255 heads, 1661 cylinders, 63 sectors
Fixed disk 1: 16.05G 255 heads, 2096 cylinders, 63 sectors
CDROM drives: 2 (F:, G:) MSCDEX version: 2.95

LOGICAL DRIVES
Drive Type Volume Name Total Space Free Space
C: Local (No Label) 12.71G 439.25M
D: Local (No Label) 7.84G 890.20M
E: Local EXTENDED 6.82G 1.45G
F: Local Audio CD 127.88M 0K

VIDEO
Primary: ATI SVGA, 16384K
Copyright: (C) 1988-99, ATI Technologies Inc.
VESA version: 2.0 OEM: ATI RAGE128
Secondary: None

DEVICES
Serial Ports: COM1: at 03F8 is a 16550 with FIFO buffers
COM2: at 02F8 is a 16550 with FIFO buffers
Parallel Ports: LPT1: at 0378
Sound card: Sound Blaster Pro DSP Version 3.1
Keyboard: Enhanced
Mouse: 2 button PS/2 Mouse, driver version 8.30

IRQ USAGE
Number Status Devices Seg. Ofs. Points to
IRQ 0 Active Timer output 0 14E3:01C6 Free Memory
IRQ 1 Active Keyboard 053C:0028 Stacks
IRQ 2 Active Cascade 053C:003A Stacks
IRQ 3 ---- COM2: 053C:0052 Stacks
IRQ 4 ---- COM1: 053C:006A Stacks
IRQ 5 ---- Sound card 053C:0082 Stacks
IRQ 6 Active Diskette 053C:009A Stacks
IRQ 7 ---- LPT1: 0070:0465 IO (IRET)
IRQ 8 Active Real Time Clock 053C:0035 Stacks
IRQ 9 ---- Redirect Cascade F000:F771 System ROM
IRQ 10 ---- 053C:00B2 Stacks
IRQ 11 ---- 053C:00CA Stacks
IRQ 12 Active Mouse 053C:00E2 Stacks
IRQ 13 Active Co-Processor F000:97D8 System ROM
IRQ 14 Active Fixed Disk 053C:00FA Stacks
IRQ 15 Active 053C:0112 Stacks

DMA USAGE
Number Devices
DMA 0
DMA 1 Sound card

DMA 2 Diskette

DMA 3

UPPER MEMORY USAGE -----

Start	End		Size
0C0000	0CAFFF	Video BIOS	44K
0CB000	0CBFFF	RAM	4K
0CC000	0CCFFF	Not used	4K
0CD000	0CFFFF	RAM	12K
0D0000	0DFFFF	Not used	64K
0E0000	0E3FFF	ROM BIOS (RAM)	16K
0E4000	0EFFFF	ROM BIOS	48K
0F0000	0FFFFFFF	System ROM	64K

I/O PORT USAGE -----

Device Name	Start	End	Length
Available	0100	017F	0080
Fixed Disk	0180	01F7	0078
Available	01F8	01FF	0008
Game port adapter	0200	0207	0008
Available	0208	021F	0018
Sound card	0220	022F	0010
Available	0230	02F7	00C8
Serial port 2	02F8	02FF	0008
Available	0300	032F	0030
Unknown Device	0330	0337	0008
Available	0338	036F	0038
IDE secondary	0370	0377	0008
Parallel port 1	0378	037F	0008
Available	0380	0387	0008
Sound card	0388	038F	0008
Available	0390	03BF	0030
EGA, VGA adapter	03C0	03CF	0010
CGA adapter	03D0	03DF	0010
Available	03E0	03EF	0010
Diskette Adapter	03F0	03F7	0008
Serial port 1	03F8	03FF	0008

PCI DEVICES -----

Device Class	Vendor Name	Device Name	IRQ
Host bridge	Intel Corporation	82443BX Pentium II Brg	None
PCI-to-PCI bridge	Intel Corporation	82443BX Pentium II AGP	None
ISA bridge	Intel Corporation	82371AB PIIX4 ISA	None
IDE controller Bus	Intel Corporation	82371AB Bus Master IDE	None
Universal Serial Bus	Intel Corporation	82371AB USB Universal	9
Other (extended) bridge	Intel Corporation	82371AB Power	None
Multimedia audio	Yamaha Corporation	(000a Not found)	11
Ethernet controller	Realteck	8029 NE2000 Ethernet	11
VGA-compatible	ATI Technologies	(5246 Not found)	11

PLUG AND PLAY DEVICES -----

Device Class	Device Name	IRQ	DMA
Other system peripheral	PnP motherboard resources	None	None
RAM memory controller	Systemboard	None	None
ISA DMA controller	AT DMA Controller	None	4
ISA Prog. Interrupt Ctrlr	AT Interrupt Controller	2	None
ISA system timer	AT Timer	0	None
ISA RTC controller	AT Real Time Clock	8	None
Keyboard controller	KBD (101/102-key, PS/2	1	None
(0b8000 not found)	Math Coprocessor0	13	None
Multimedia audio	AT Style speaker sound	None	None


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0000 Jump instruction to boot code      3 Bytes EB 58 90
0003 System ID                          Byte
                                         0008      MSWIN4.1
000B Bytes per sector                  Word 0200
000D Sectors per cluster                Byte 10
000E Reserved sectors at beginning     Word 0020
0010 Copies of FAT                      Byte 02
0011 Root directory entries            Word 0000
0013 Sectors on disk                    Word 0000
0015 Format ID                          Byte F8
      FFH = Double sided 40 cylinders 8 sectors
      FEH = Single sided 40 cylinders 8 sectors
      FDH = Double sided 40 cylinders 9 sectors
      FCH = Single sided 40 cylinders 9 sectors
      F9H = Double sided 80 cylinders 9 sectors
      F9H = Double sided 80 cylinders 15 sectors
      F8H = Fixed Disk
0016 Sectors per FAT                    Word 0000
0018 Sectors per cylinder                Word 003F
001A Number of heads                     Word 00FF
001C Number of reserved sectors          DWord 0000003F
0020 Sectors on Disk                     DWord 01972867
0024 Sectors per FAT                     DWord 000032DF
0028 Unknown                             DWord 00000000
002C Unknown                             DWord 00000002
0030 Unknown                             DWord 0005FFFB
0034 Unknown                             DWord 00000000
0038 Unknown                             DWord 00000000
003C Unknown                             DWord 00000000
0040 Physical drive number                Byte 80
0041 Reserved (DOS 4.x)                   Byte 00
0042 Signature byte=29H                   Byte 29
0043 Volume serial number                 DWord 0DE90767
0047 Volume label                          Byte
                                         000B      NO NAME
0052 File System Type                      Byte
                                         0008      FAT32
003E Boot Code                            Byte
                                         01C0
003E                                     00 00
0040 80 00 29 50 15 E9 0D 4E 4F 20 4E 41 4D 45 20 20
0050 20 20 46 41 54 33 32 20 20 20 FA 33 C9 8E D1 BC
0060 F8 7B 8E C1 BD 78 00 C5 76 00 1E 56 16 55 BF 22
0070 05 89 7E 00 89 4E 02 B1 0B FC F3 A4 8E D9 BD 00
0080 7C C6 45 FE 0F 8B 46 18 88 45 F9 38 4E 40 7D 25
0090 8B C1 99 BB 00 07 E8 97 00 72 1A 83 EB 3A 66 A1
00A0 1C 7C 66 3B 07 8A 57 FC 75 06 80 CA 02 88 56 02
00B0 80 C3 10 73 ED BF 02 00 83 7E 16 00 75 45 8B 46
00C0 1C 8B 56 1E B9 03 00 49 40 75 01 42 BB 00 7E E8
00D0 5F 00 73 26 B0 F8 4F 74 1D 8B 46 32 33 D2 B9 03
00E0 00 3B C8 77 1E 8B 76 0E 3B CE 73 17 2B F1 03 46
00F0 1C 13 56 1E EB D1 73 0B EB 27 83 7E 2A 00 77 03
0100 E9 FD 02 BE 7E 7D AC 98 03 F0 AC 84 C0 74 17 3C
0110 FF 74 09 B4 0E BB 07 00 CD 10 EB EE BE 81 7D EB
0120 E5 BE 7F 7D EB E0 98 CD 16 5E 1F 66 8F 04 CD 19

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0130 41 56 66 6A 00 52 50 06 53 6A 01 6A 10 8B F4 60
0140 80 7E 02 0E 75 04 B4 42 EB 1D 91 92 33 D2 F7 76
0150 18 91 F7 76 18 42 87 CA F7 76 1A 8A F2 8A E8 C0
0160 CC 02 0A CC B8 01 02 8A 56 40 CD 13 61 8D 64 10
0170 5E 72 0A 40 75 01 42 03 5E 0B 49 75 B4 C3 03 18
0180 01 27 0D 0A 49 6E 76 61 6C 69 64 20 73 79 73 74
0190 65 6D 20 64 69 73 6B FF 0D 0A 44 69 73 6B 20 49
01A0 2F 4F 20 65 72 72 6F 72 FF 0D 0A 52 65 70 6C 61
01B0 63 65 20 74 68 65 20 64 69 73 6B 2C 20 61 6E 64
01C0 20 74 68 65 6E 20 70 72 65 73 73 20 61 6E 79 20
01D0 6B 65 79 0D 0A 00 00 00 49 4F 20 20 20 20 20 20
01E0 53 59 53 4D 53 44 4F 53 20 20 53 59 53 7E 01
01F0 00 57 49 4E 42 4F 4F 54 20 53 59 53 00 00
01FE Bootable sector code = 55AAH          Word AA55

```

DOS Overview

Date 12/20/00

```

DOS Version: 7.10          Size
  Buffers: 12, 0          0.5K
    Files: 40              2.3K
      FCBs: 4, 8          0.2K
    Drivers: 5             8.1K
  Last drive: Z:          2.2K
    Stacks: 9, 256       3K

```

XMS Overview

Date 12/20/00

No copyright information found.

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XMS Version: 3.00
Internal revision: 3.65
Driver entry point: 0213:00CF
High Memory Area: Currently used
  A20 Line: Enabled
Handles available: 43

```

Extended Memory: 64512K Free: 64336K

```

Computer type:AT Compatible (M=FCH, S=01H, R=00H)
BIOS Date:04/22/1999
BIOS Copyright:Copyright 1996-1999 Intel Corporation.
  Extensions:PCI version 2.10
    Plug and Play version 1.0
    DMI Version 2.1
    Int 13H Extensions (large drive support) Version
  Bus type:ISA, PCI
PROCESSOR (Found in the CPU database by CPUID)
  Description:Intel Pentium II Celeron running at 450 MHz
  CPU mode:Single processor
Supports MMX:Yes

```

CPUID Opcode:Type 0, Family 6, Model 6, Step 5, vendor ID 'GenuineIntel'
Comments:PPGA

FPU:(Built-in)
Cache:(Reported by CPU)
L1 instruction TLB, 4K pages, 4-way set associative, 64 entry
L1 instruction TLB, 4K pages, 4-way set associative, 64 entry
L1 instruction TLB, 4M pages, 4-way set associative, 4 entry
128K L1 unified cache, 4-way set associative, 32 byte line size
L1 data TLB, 4M pages, 4-way set associative, 4 entry
64K External cache
Note: Windows is running. Cache information may be wrong.

MEMORY

	Base	Extended	EMS	XMS
Total:	636K	64512K	65040K	64512K
Available:	590.6K	None	16384K	64336K

DRIVES

Diskette 0: 1.44 MB (3.5)
Fixed disk 0: 12.72G, 255 heads, 1661 cylinders, 63 sectors, LBA
Fixed disk 1: 16.05G, 255 heads, 2096 cylinders, 63 sectors, LBA
CDROM drives: 2 (F:, G:) MSCDEX version:2.95

VIDEO

Primary:ATI SVGA, 16384K
Copyright:(C) 1988-99, ATI Technologies Inc.
VESA version:2.0 OEM:ATI RAGE128
Secondary:None

DEVICES

Serial Ports:COM1: at 03F8His a 16550 with FIFO buffers
COM2: at 02F8His a 16550 with FIFO buffers
Parallel Ports:LPT1: at 0378H
USB Ports:USB1: at 1001H
Sound card:Sound Blaster Pro DSP Version 3.1
Keyboard:Enhanced
Game Ports:4 at 0201
Mouse:2 button PS/2 Mouse, driver version 8.30

System Benchmark

Date 12/20/00

Processor	0	Relative XT Index	362.5
Standard AT (8 Mhz 80286)	3.4 Index	*	
This processor (Pentium II Celer	362.1 Index	*****	
Coprocessor	0	Relative XT Index	422.5
Standard AT (8 Mhz 80287)	3.0 Index	*	
This processor ((Built-in))	422.5 Index	*****	
Video	0	Kbytes/Second	3607.5
Graphics RAM speed	3607.2 KPS	*****	
Text RAM speed	811.8 KPS	*****	
BIOS display speed	134.9 KPS	*	
Fixed Disk 0	0	Milliseconds	0.30
BIOS cyl to cyl seek time	0.01 MS	*	
BIOS average seek time	0.01 MS	*	
BIOS read 16K blocks (3648 KPS)	0.27 MS	*****	
DOS read 16K blocks (1864968 KPS)	0.01 MS	*	
CDROM Drive 0, F:			
Drive not ready			