

NEXTSTEP for Intel Processors Tested Compatible System

Title: Deskpro 5120
Last Updated: October 11 1995
Effective Date: October 10th 1995
Tested With: 3.3

Product Vendor:

Explanation of Compatibility Testing

NEXTSTEP Compatible systems are tested by third parties using a test procedure

developed by NeXT. NeXT approves the use of the "NEXTSTEP Compatible" designation for these systems based on the completeness of the test results submitted by these NeXT-trained 3rd parties.

For more detailed information on the NICE program, please refer to NeXTanswers document [1903_Compatible_Systems_Testing_With_NEXTSTEP.rtf](#)

Note: NeXT accepts no support responsibilities or liability whatsoever for any system authorized to use the "NEXTSTEP Compatible" designation, nor does NeXT represent that their test procedures or training--even if followed exactly by the 3rd party performing the test work--are in any way complete or exhaustive. Known or unknown errors may be present in configurations which are designated as "NEXTSTEP Compatible" which could adversely affect the operation of these systems. Support for compatible systems may be provided by the PC vendor or System integrator.

Tested Components:

Compaq reports testing a system configuration consisting of the following components:

System CPU Board(s)

CPU: Intel Pentium, 120 MHz
RAM: 32MB maximum tested
ISA slots: 2 and 2 Combo with PCI
PCI slots: 2 in Combo with ISA
BIOS name: Compaq
Jumper/Switch Settings:
All jumpers in factory default position.

IDE Controller(s)

on-board

SCSI Controller(s)

Manufacturer: Compaq
Model name: Compaq 6260
Revision: A
BIOS Rev. #: Unknown
Interface Type: ISA
Jumper/Switch Settings:
SW1 - OFF ROM Disable
SW2 - OFF " "
SW3 - ONAddr 0x140
SW4 - ONINT 10
SW5 - ON " "
SW6 - OFF Disconnect Enabled
SW7 - OFF Sync Enabled
SW8 - OFF Parity Enabled

CD-ROM Drive(s)

Manufacturer: Sony
Model name: Compaq Quadspeed
Model number: CDU76E
Revision: 1.0c
Interface Type: IDE
SCSI ID: n/a
Jumper/Switch Settings:
All jumpers in factory default position.

Hard Drive(s)

Manufacturer: Western Digital
Model name: Caviar 31000
Model number: WDC AC31000F

Revision: 22.20H30
Size: 1082MB
Interface: IDE
SCSI ID: n/a

Manufacturer: Micropolis
Model name: 2105
Model number: COMPAQ 2105
Revision: 15E3
Size: 560MB
Interface: SCSI
Jumper/Switch Settings:
All jumpers in factory default position.

Floppy Drive(s)

Manufacturer: TEAC
Model name: FD-235HG
Model number: 6325-U
Jumper/Switch Settings:
All jumpers in factory default position.

Graphics Adaptor(s)

Manufacturer: Compaq
Model name: Qvision 1280/P
Video RAM: 1MB
RAM Type: VRAM
Interface: Integrated PCI
BIOS Rev. #: 12/01/94
Jumper/Switch Settings:
n/a

Serial Port(s)

Ports: 1
UART: 16550A compatible

Parallel Port(s)

on-board, LPT1

Keyboard(s)

Manufacturer: Compaq
Model name: RT101
Interface: PS/2
of keys: 101
Jumper/Switch Settings:
n/a

Mice and Other Pointing Devices

Manufacturer: Compaq

Model name: M-S34

Interface: PS/2

Jumper/Switch Settings:

n/a

LAN Adaptor(s)

Manufacturer: AMD

Model name: Integrated Netflex-L

Interface: PCI

Connectors: AUI, TP*

Jumper/Switch Settings:

n/a

Sound Card(s)

Manufacturer: n/a (no sound installed)

Jumper/Switch Settings:

n/a

Monitor(s)

Manufacturer: Compaq

Model name: Qvision 200

Size: 20 inches

Max resolution: 1024 width x 1280 height @76Hz

Jumper/Switch Settings:

n/a

Note that only the specific components listed were tested.

Setup and Installation

Hardware Setup:

See above for individual setup instructions for each adaptor.

CMOS settings:

To Access:

Press F10

Settings:

To Access: Press F10 when cursor jumps over to the right of the screen. If NeXT is loaded then select partition 1.

INSPECT - Version PC10.06C
=====

System :

Date 9/29/95
Time 12:43:20

Product Compaq Deskpro 5120

Machine ID
From System Board 230

Processor Pentium at 120 MHz
CPU ID 0525

Numeric Coprocessor Integrated 387-Compatible

Secondary Cache 256K

Expansion Bus ISA, PCI

Asset tag D527HSE3D363

CPU Mode Real Mode

Current System Speed High

System board revision level . . . A

System serial number D527HSE3D363

Temperature Caution

Compaq Deskpro 5120 is a trademark of Compaq Computer Corporation.

ROM :

System ROM

Revision	05/10/95
Family	486G
Flashable	Yes
Socketed	No

Video Controller ROM

Revision	12/01/94
Family	V1

Keyboard Controller ROM

Revision	C.7 06/14/91
Family	K

Option ROMs	C0000 - C7FFF
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Keyboard :

Keyboard Enhanced

System Ports :

LPT Ports LPT1 (Address 378)
COM Ports COM1 (Address 3F8)

System Storage :

SCSI Controller, Base Address 0x140

Device Compaq 535 MB SCSI Disk
SCSI ID 0
Revision 15E3

Model Number COMPAQ 2105
Serial Number 3042215540
Drive capacity (blocks) . . . 1090999
Drive geometry (Cyl, Hds, Sec) 532, 64, 32

Embedded IDE Controller, Base Address 0x1f0

Device Compaq QuadSpeed CD-ROM
Drive position 2
Revision 1.0c
Model Number SONY CD-ROM CDU76E-Q

Diskette Drive A 1.44 Megabyte (3.5 inch)

Drive Controller 1

Standard Interface	Primary
Hard Drive 1	Type 65 (1082.8 Megabyte)
Serial Number	WD-WT2721242035
Firmware Revision 1	22.20H30
Model Number	WDC AC31000F
1:1 Interleave Supported . . .	Yes
Cylinders	2098
Heads	16
Sectors per Track	63
IntelliSafe Hard Drive Status.	OK

Graphics :

Graphics Mode 12 (640 x 480 Graphics)

Primary Monitor attached to . . Compaq QVision 1280/P Graphics
Controller
with Video Graphics Color
Monitor

Total Video Memory 1024 Kbytes

Current Monitor Compaq QVision 200

Monitor serial number 507DA04BA178

Memory :

Memory Boards Identified:

System Board

SIMM Bank 1

SIMM Slot J7 8 Megabytes

SIMM Slot J8 8 Megabytes

SIMM Bank 2

SIMM Slot J10 8 Megabytes

SIMM Slot J11 8 Megabytes

SIMM Bank 3

SIMM Slot J12 0 Megabytes
SIMM Slot J13 0 Megabytes
Total Compaq Memory 32 Megabytes

Base Memory
System Total 639 Kbytes
Amount Free 558 Kbytes (572112 Bytes)

Extended Memory
Amount Free 31744 Kbytes

Expanded Memory
LIM Driver Support LIM driver not loaded

Memory Detected at Power-On

```
Base Memory . . . . . 640 Kbytes
Extended Memory . . . . . 31744 Kbytes
Total Memory . . . . . 32768 Kbytes
```


Network :

```
Integrated NetFlex-L ENET
  Network Type . . . . . Ethernet
  IRQ . . . . . 5
  IRQ Type . . . . . Level
  Speed . . . . . 10MBPS
  Media Connector . . . . . 10Base-T (RJ-45)
  Network Address . . . . . 00805F2C127B
```


Miscellaneous :

System Configuration Memory

00 - 0F :	23 00 43 00	12 00 05 29	09 95 26 82	50 80
00 00				
10 - 1F :	40 00 F0 00	03 80 02 00	3C 41 00 00	00 00
00 08				
20 - 2F :	00 00 00 00	7E 29 00 40	00 9A 00 C1	03 00
04 7F				
30 - 3F :	00 3C 19 80	01 10 XX XX	XX XX XX XX	XX XX
XX XX				

Non-Volatile RAM

00 - 0F :	00 01 00 05	25 00 01 00	00 00 00 00	00 10
10 10				
10 - 1F :	01 00 06 00	00 01 00 00	00 00 00 00	3C 00
23 0C				
20 - 2F :	44 35 32 37	48 53 45 33	44 33 36 33	00 00
00 00				
30 - 3F :	32 08 10 C4	3F 00 00 00	00 00 32 08	10 84
3F 00				
40 - 4F :	00 00 00 00	00 00 00 FE	00 00 80 01	00 00
00 7C				
50 - 5F :	00 00 80 01	80 01 00 00	00 3C 00 00	80 01
09 5C				
60 - 6F :	00 00 00 00	00 00 00 00	00 00 00 00	00 00


```
E0 - EF : 00 9F A0 00 01 D0 04 08 00 01 00 14 00 03
40 00
F0 - FF : 0E 00 01 00 18 04 04 8F 00 00 8F 80 00 1F
C0 00
```

BIOS Data Area

```
40:0000 : F8 03 00 00 00 00 00 00 78 03 00 00 00 00
C0 9F
40:0010 : 27 42 01 7F 02 97 00 00 00 00 26 00 26 00
31 02
40:0020 : 01 1E 0D 1C 69 17 00 00 00 00 00 00 00 00
00 00
40:0030 : 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00
40:0040 : E1 00 0C 13 26 01 00 A2 20 12 50 00 00 A0
```


40:00C0 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00
00 00				
40:00D0 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00
00 00				
40:00E0 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00
00 00				
40:00F0 :	00 00 00 00	00 00 00 00	00 00 00 00	00 00
00 00				

Interrupt Vector Table (including INSPECT)

00 - 03 :	2DA2:0555	0070:06F4	0DBB:0016
0070:06F4			
04 - 07 :	0070:06F4	F000:FF54	F000:93CC
F000:9BD0			

08 - 0B :	0DBB:003C	0DBB:0045	F000:9BD0
F000:9BD0			
0C - 0F :	F000:9BD0	F000:9BD0	0DBB:00B7
0070:06F4			
10 - 13 :	1724:34CE	F000:F84D	F000:F841
0070:0774			
14 - 17 :	F000:E739	0070:084A	F000:E82E
F000:EFD2			
18 - 1B :	F000:C883	0070:07FB	F000:FE6E
0070:06EE			
1C - 1F :	F000:FF53	F000:F0A4	0000:0522
C000:4FE3			
20 - 23 :	0019:40CC	0019:40F8	0E30:0439
0019:40D2			
24 - 27 :	8F59:43F6	0019:42E5	0019:436C

0019:A1CC			
28 - 2B :	0019:40D2	0070:0762	0019:40D2
0019:40D2			
2C - 2F :	0019:40D2	0019:40D2	0019:40D2
1003:25C9			
30 - 33 :	1940:D3EA	F000:9B00	0019:40D2
1003:0A4E			
34 - 37 :	0019:40D2	0019:40D2	0019:40D2
0019:40D2			
38 - 3B :	0019:40D2	0019:40D2	0019:40D2
0019:40D2			
3C - 3F :	0019:40D2	0019:40D2	0019:40D2
3D82:04FB			
40 - 43 :	F000:EC59	F000:E801	F000:F065
C000:2B72			

44 - 47 :	F000:9BD0	F000:9BD0	F000:E401
F000:9BD0			
48 - 4B :	1425:00F3	F000:9BD0	F000:9BD0
F000:9BD0			
4C - 4F :	F000:9BD0	F000:9BD0	F000:9BD0
F000:9BD0			
50 - 53 :	F000:9BD0	F000:9BD0	F000:9BD0
F000:9BD0			
54 - 57 :	F000:9BD0	F000:9BD0	F000:9BD0
F000:9BD0			
58 - 5B :	F000:9BD0	F000:9BD0	F000:9BD0
F000:9BD0			
5C - 5F :	F000:9BD0	F000:9BD0	F000:9BD0
F000:9BD0			
60 - 63 :	0000:0000	0000:0000	0000:0000

0000:0000			
64 - 67 :	0000:0000	0000:0000	0000:0000
0000:0000			
68 - 6B :	F000:9BD0	F000:9BD0	F000:9BD0
F000:9BD0			
6C - 6F :	F000:9BD0	F000:9BD0	F000:9BD0
F000:9BD0			
70 - 73 :	0DBB:0052	F000:9C1F	F000:9BD0
F000:9BD0			
74 - 77 :	1003:2774	F000:9C28	0DBB:0117
F000:9BD0			
78 - 7B :	0000:0000	0000:0000	0000:0000
0000:0000			
7C - 7F :	0000:0000	0000:0000	0000:0000
0000:0000			

80 - 83 :	0000:0000	0000:0000	0000:0000
0000:0000			
84 - 87 :	0000:0000	0000:0000	0000:0000
0000:0000			
88 - 8B :	0000:0000	0000:0000	0000:0000
0000:0000			
8C - 8F :	0000:0000	0000:0000	0000:0000
0000:0000			
90 - 93 :	0000:0000	0000:0000	0000:0000
0000:0000			
94 - 97 :	0000:0000	0000:0000	0000:0000
0000:0000			
98 - 9B :	0000:0000	0000:0000	0000:0000
0000:0000			
9C - 9F :	0000:0000	0000:0000	0000:0000

0000:0000

A0 - A3 : 0000:0000 0000:0000 0000:0000

0000:0000

A4 - A7 : 0000:0000 0000:0000 0000:0000

0000:0000

A8 - AB : 0000:0000 0000:0000 0000:0000

0000:0000

AC - AF : 0000:0000 0000:0000 0000:0000

0000:0000

B0 - B3 : 0000:0000 0000:0000 0000:0000

0000:0000

B4 - B7 : 0000:0000 0000:0000 0000:0000

0000:0000

B8 - BB : 0000:0000 0000:0000 0000:0000

0000:0000

BC - BF :	0000:0000	0000:0000	0000:0000
0000:0000			
C0 - C3 :	0000:0000	0001:0000	0000:0000
0000:0000			
C4 - C7 :	0000:0000	0000:0000	0000:0000
0000:0000			
C8 - CB :	0000:0000	0000:0000	0000:0000
0000:0000			
CC - CF :	0000:0000	0000:0000	0000:0000
0000:0000			
D0 - D3 :	0000:0000	0000:0000	0000:0000
0000:0000			
D4 - D7 :	0000:0000	0000:0000	0000:0000
0000:0000			
D8 - DB :	0000:0000	0000:0000	0001:0000

0000:0246

DC - DF : 0003:27DA 000E:93DE 0000:07C8

0000:0090

E0 - E3 : 000E:2000 000E:07F8 000E:0004

000C:0731

E4 - E7 : F88B:022A EF6C:007C 0082:F000

6A2D:0090

E8 - EB : D9B4:0090 697D:D9C5 0048:F88B

0000:F88B

EC - EF : E3F9:B35E 0007:F000 19BC:03D4

1003:0311

F0 - F3 : 5D88:03C9 0040:0000 C000:5C7C

58B4:0003

F4 - F7 : C000:0022 0022:03D4 0003:0000

0D25:56E7

```
F8 - FB :      0040:0040      8F04:0246      0003:0080
007C:0000
FC - FF :      0000:4227      0000:012C      EC3A:0030
0246:F000
```

PCI Devices Information

```
Signature . . . . . PCI
Config Mechanism #1 . . . . . Supported
Config Mechanism #2 . . . . . Not Supported
Spec Cycle for Config #1 . . . . . Supported
Spec Cycle for Config #2 . . . . . Not Supported
BIOS Interface Version . . . . . 2.10
Last PCI Bus Number . . . . . 0
Number of PCI Devices . . . . . 2
```

Bus Number	0
Device Number	10
Function Number	00h
Slot Number	0
Vendor ID	0E11h
Device ID	3033h
Revision ID	12h
Device Type	VGA Compatible Controller
Programming Interface	00h
Expansion ROM Base Address	FF000000h
IRQ Line	15
IRQ Pin	INTA#
Memory Address Base	40000000h
Memory Address Length	1000000h

Bus Number	0
Device Number	11
Function Number	00h
Slot Number	0
Vendor ID	1022h
Device ID	2000h
Revision ID	02h
Device Type	Ethernet Controller
Programming Interface	00h
Expansion ROM Base Address	0h
IRQ Line	5
IRQ Pin	INTA#
IO Address Base	1000h
IO Address Length	20h

ECU settings (EISA-bus systems only):

n/a

Special installation instructions:

Driver settings:

Use Configure.app to load and configure the following drivers:

- Display
 - Qvision
- Pointing Device:
 - PS2 Mouse
- Network

AMDPCnet32NetworkDriver

SCSI

AIC6X60

Audio

none

Other

EIDE/ATAPI controller

SerialPorts

Floppy Disk

PS2 Keyboard

PCIBus

EISABus

Parallel port

Known Problems

This system was tested with 1MB of Video RAM. The only video modes supported are:

Width	Height	Refresh	Colorspace
768	1024	66Hz	256/8
768	1024	66Hz	BW:8
768	1024	60Hz	256/8
768	1024	60Hz	BW:8

600	800	72Hz	555/16
600	800	60Hz	555/16

choosing a video mode other than the ones listed will cause a system panic during boot-up.

If you do set the video mode to an unsupported mode, type "config=hd()Default" at the

boot: prompt to start the system up in 640 x 480 @60Hz BW:2 mode.

See Also: (None)