

NEXTSTEP for Intel Processors Tested Compatible System

Title: OpenStation 5i
Last Updated: November 13 1995
Effective Date: November 14th 1995
Tested with: 3.3

Product Vendor:
OpenSource

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:

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

Summary information only. Contact OpenSource for more specific configuration information

System CPU Board(s)

CPU: Intel Pentium, 75MHz

RAM: 32MB maximum tested
ISA slots: 4
PCI slots: 4

SCSI Controller(s)

Manufacturer: Adaptec
Model name: 2940
Interface: PCI

CD-ROM Drive(s)

Manufacturer: NEC
Model name: MutiSpin 4xi
Interface: SCSI

Hard Drive(s)

Manufacturer: Fujitsu
Interface: SCSI
Size: 1000 Mb

Graphics Adaptor(s)

Manufacturer: Number Nine
Model name: Imagine 128
Video RAM: 4 Mb
RAM Type: VRAM
Interface: PCI

Serial Port(s)

Ports: 2
UART: 16550

Parallel Port(s)

on-board, LPT1

Keyboard(s)

Manufacturer: NMB Technologies
Model name: RT8255C+
Interface: PC/AT
of keys: 101

Mice and Other Pointing Devices

Manufacturer: Logitech

Model name: MouseMan Bus Mouse

Interface: Bus

LAN Adaptor(s)

Manufacturer: Intel

Model name: EtherExpress Pro 10

Interface: ISA

Connectors: BNC*, TP

** Adaptor tested with this connector*

Sound Card(s)

Manufacturer: Creative Labs

Model name: SoundBlaster Vibra 16S

Interface: ISA

Monitor(s)

Manufacturer: ViewSonic

Model name: 17G

Size: 17

Max resolution: 1280x1024@72Hz

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:

DEL

Settings:

Standard CMOS Setup

Primary Master: None

Primary Slave: None
Secondary Master: None
Secondary Slave: None
Drive A: 1.44M, 3.5 in.
Drive B: None
Video: EGA/VGA
Halt On: All Errors

Bios Features Setup

Virus Warning: Disabled
CPU Internal Cache: Enabled
External Cache: Enabled
Quick Power On Self Test: Disabled

Boot Sequence: A, C
Swap Floppy Drive: Disabled
Boot Up Floppy Seek: Enabled
Boot Up NumLock Status: On
Boot Up System Speed: High
Gate A20 Option: Normal
Memory Parity Check: Enabled
Typematic Rate Setting: Disabled
Typematic Rate (Chars/Sec): 6
Typematic Delay (Msec): 250
Security Option: Setup
PCI/VGA Palette Snoop: Disabled
Video BIOS Shadow: Disabled

C8000-CBFFF Shadow: Disabled
CC000-CFFFF Shadow: Disabled
D0000-D3FFF Shadow: Disabled
D4000-D7FFF Shadow: Disabled
D8000-DBFFF Shadow: Disabled
DC000-DFFFF Shadow: Disabled

Chipset Features Setup

DRAM RAS# Precharge Time: 4
DRAM R/W Leadoff Timing: 8/6
DRAM RAS To Cas Delay: 3
DRAM Read Burst Timing: x2222
DRAM Write Burst Timing: x3333

System BIOS Cacheable: Enabled
Video BIOS Cacheable: Disabled
8 Bit I/O Recovery Time:1
16 Bit I/O Recovery Time: 1
Memory Hole At 15M-16M: Disable
IDE HDD Block Mode: Disabled
IDE Primary Master PIO: Auto
IDE Primary Slave PIO: Auto
IDE Secondary Master PIO: Auto
IDE Secondary Slave PIO:Auto
On-Chip Primary PCI IDE:Disabled
On-Chip Secondary PCI IDE: Disabled
PCI Slot IDE 2nd Chennel: Disabled

PCI Concurrency: Enabled
PCI Streaming: Enabled
PCI Bursting: Enabled

Power Management Setup

Power Mangement: Disable
PM Control by APM: Yes
Video Off Method: Blank Screen
Doze Mode: Disable
Standby Mode: Disable
Suspend Mode: Disable
HDD Power Down: Disable
IRQ3 (Wake-Up Event): On

IRQ4 (Wake-Up Event):	On
IRQ8 (Wake-Up Event):	On
IRQ12 (Wake-Up Event):	On
COM Ports Accessed:	On
LPT Ports Accessed:	On
Drive Ports Accessed:	On
IRQ3 (COM 2):	Off
IRQ4 (COM 1):	Off
IRQ5 (LPT 2):	Off
IRQ6 (Floppy Disk):	Off
IRQ7 (LPT 1):	Off
IRQ8 (RTC Alarm):	Off
IRQ9 (IRQ2 Redir):	Off

IRQ10	(Reserved):	Off
IRQ11	(Reserved):	Off
IRQ12	(PS/2 Mouse):	Off
IRQ13	(Cokprocessor):	Off
IRQ14	(Hard Disk):	Off
IRQ15	(Reserved):	Off

PCI Configuration Setup

PnP BIOS Auto-Config:	Disabled
Slot 1 Using Int#:	Auto
Slot 2 Using Int#:	Auto
Slot 3 Using Int#:	Auto
Slot 4 Using Int#:	Auto

1st Available IRQ: 11
2nd Available IRQ: 11
3rd Available IRQ: 12
4th Available IRQ: 15
PCI IRQ Activated by: Level
PCI IDE IRQ Map To: ISA

SCSI Select

Host Adaptor SCSI ID: 7
SCSI Parity Checking: Enabled
Host Adapter SCSI Termination: Enabled
SCSI Device Configuration
Initiate Sync Negotiation: Yes for ID 0-7

Maximum Sync Transfer Rate: 10.0 for ID 0-7
Enable Disconnection: Yes for ID 0-7
Send Start Unit Command: No for ID 0-7
Include in BIOS Scan: Yes for ID 0-7

Advanced Configuration Options

Reset SCSI Bus at ___: Enabled
Host Adaptor BIOS: Enabled
Support Rmovable : Boot Only
Extended BIOS : Enabled
BIOS Support for More : Enabled

ECU settings (EISA-bus systems only):

n/a

Special installation instructions:

Driver settings:

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

SCSI

Adaptec2940SCSIDriver

Other

SerialPorts

Floppy Disk

PS2Keyboard

PCIBus

EISABus

ParallelPort

Pointing Device

BusMouse

IRQ Levels: 5

Display

Number9Imagine128DisplayDriver

Audio

SoundBlaster16

DMA Channels: 1 5

I/O Ports: 0x0220-0x0233 0x330-0x331 0x388-0x389

IRQ Levels: 9

Network

Intel82595NetworkDriver
I/O Ports: 0x390-0x39f
IRQ Levels: 10

Known Problems

VGA mode was not available during a reboot without power-cycling given the video card and monitor used in testing. When the boot process sets up the video in high resolution again video becomes available.

See Also: **(None)**