

NEXTSTEP for Intel Processors Tested Compatible System

Title: Workstation 2000 Performance / AU Pentium PRO

Last Updated: June 26 1996

Product Vendor: Workstation 2000
 W2000@CTS.COM or 1-800-A-STATION

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:

Workstation 2000 reports testing a system configuration consisting of the following components:

Summary information only. Contact Workstation 2000 for more specific configuration information

System CPU Board(s)

CPU:	Intel Pentium Pro
Speed:	200MHz

RAM: 64MB maximum tested

SCSI Controller(s)

Manufacturer: ADAPTEC

Model name: 2940

Interface: PCI

CD-ROM Drive(s)

Manufacturer: SONY

Model name: CDU

Interface: SCSI

Hard Drive(s)

Manufacturer: CONNER
Size: 1GB

Graphics Adaptor(s)

Manufacturer: Diamond
Model name: Stealth 64 PCI 4mb
Video RAM: 4mb
RAM Type: VRAM
Interface: PCI

Serial Port(s)

Ports: 02

UART: Async, RS232C 9 pin, NS16C550

Parallel Port(s)

Ports: 1

Keyboard(s)

Manufacturer: NMB

Model name: RT101+

Mice and Other Pointing Devices

Manufacturer: MICROSOFT

Model name: MOUSE PORT COMPAT. MOUSE
Interface: PS/2

LAN Adaptor(s)

Manufacturer: COGENT
Model name: EMASTER+
Interface: PCI
Connectors: BNC*, TP* interface(s)

** Adaptor tested with this connector*

Sound Card(s)

Manufacturer: CREATIVE TECHNOLOGY

Model name: Sound Blaster 16 Value Edition
Interface: ISA

Monitor(s)

Manufacturer: CTX
Model name: GM
Size: <17
Max resolution: 1280X1024X72

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:

Settings:

To Access: F1, FACTORY

ECU settings (EISA-bus systems only):

NA

Special installation instructions:

Driver settings:

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

-----Boot drivers-----

SCSI Adaptec2940SCSIDriver

Share IRQs: YES

Class Names: SCSI Bus Adaptec2940

Cmd Queueing: NO

Share IRQ Levels: Yes

Bus Type: PCI

Driver Version: PROJECT:drvAdaptec2940-15

Synchronous: YES

Level IRQs: YES

Serial SerialPorts

I/O Ports: 0x3f8-0x3ff 0x2f8-0x2ff

Driver Version: PROJECT:serialdriver-5.4

IRQ Levels: 4 3

Port Count: 2

Other Intel824X0

Driver Version: PROJECT:drvIntel824X0PCI-5

Auto Detect IDs: 0x04838086 0x04A38086

Bus Type: PCI

Class Names: Intel824X0

-----Active drivers-----

Pointing Device PS2Mouse

- Inverted: No
- Resolution: 150
- Class Names: PS2Mouse
- Driver Version: PROJECT:kbdmicedrivers-16
- IRQ Levels: 12

Network CogentEM960NetworkDriver

- Auto Detect IDs: 0x00021011
- Share IRQ Levels: YES
- Bus Type: PCI
- Driver Version: PROJECT:drvCogentEM960-15

Display DiamondStealthDisplayDriver

I/O Ports: 0x3b0-0x3df

Memory Maps: 0xc000000-0xc7ffff 0xa0000-0xbfff

0xc0000-0xcfff

Display Mode: Height: 1024 Width: 1280 Refresh: 72Hz ColorSpace:
RGB:256/8

Driver Version: PROJECT:drvDiamondStealth-2

VGA Memory Maps: 0xa0000-0xbfff 0xc0000-0xcfff

Bus Type: PCI

Known Problems

1.This is a NS bug in 3.3: This is an S3 graphics system, with these cards, must boot in verbose mode.

2. The ORION PCI Controller Chipset, 82450, in all early Pentium PRO's contains an Intel-acknowledged bug that results in poor video performance under NeXTSTEP 3.3. Revision B0, now available, greatly reduces this problem. Graphics should be set to 8-color maximum for best performance.
3. APM, Advanced Power Management, should be disabled under NS3.3 in order to use the parallel port.

See Also: (None)