

# NEXTSTEP for Intel Processors Tested Compatible System

**Title:** AST Bravo MS P/75

**Entry Number:** 1961

**Last Updated:** <<Date July 18 1995>>

**Effective Date:** July 18 1995

**NEXTSTEP Release Tested:** 3.3

**Product Vendor:**

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**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\_Tested\_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:

The submitter reports testing a system configuration consisting of the following components(\*):

### System CPU Board(s)

CPU:	Intel Pentium
speed:	75 MHz
RAM:	16MB Maximum tested
ISA slots:	3
EISA slots:	0
PCI slots:	2
VLB slots:	0
PCMCIA slots:	0
BIOS:	AST BIOS
version:	1.06
Jumper/Switch settings:	
All jumpers in factory default position:	
E1: 2-3	

E2: OFF  
E3: ON  
E4-E7: OFF  
E4-E7: ON

### **IDE Controller(s)**

on-board controller

### **SCSI Controller(s)**

Manufacturer:  
Model name:  
Model number:  
Revision:  
BIOS Rev. #:  
Interface Type:  
SCSI ID:  
Jumper/Switch settings:

### **CD-ROM Drive(s)**

Manufacturer:  
Model name:  
Model number:  
Revision:  
Interface Type:  
SCSI ID:  
Jumper/Switch settings:

**Hard Drive(s)**

Manufacturer: Maxtor  
Model name:  
Model number: 7540AV  
Revision: HDA 04P2, PCBA 10P1, UNIQUE 01P1  
Interface Type: IDE  
Size:  
SCSI ID: n/a  
Jumper/Switch settings:

**Floppy Drive(s)**

Manufacturer: Alps Electric Co.  
Model name: DF334H015A  
Model number:

**Graphics Adaptor(s)**

Manufacturer: ATI  
Model name: OEM Mach64  
Video RAM: 2MB  
RAM Type: VRAM  
Interface: PCI  
BIOS Rev. #: 113-25509-101

**Serial Port(s)**

Ports: COM1, COM2  
UART: 16550

**Parallel Port(s)**

On-board, LPT1

**Keyboard(s)**

Manufacturer: AST  
Model name: SK-1100  
Interface: PS/2  
# of keys: 101  
Jumper/Switch settings:

**Mice and Other Pointing Devices**

Manufacturer: Microsoft  
Model name: Mouse Port Compatible Mouse 2.0A  
Interface: PS/2  
  
Jumper/Switch settings:

**LAN Adaptor(s)**

Manufacturer: Intel  
Model name: Etherexpress Pro/10  
Interface: ISA  
Connectors:  
Jumper/Switch settings:

**Sound Card(s)**

Manufacturer:

Model name:  
Interface:  
Jumper/Switch settings:

### **Monitor(s)**

Manufacturer: AST  
Model name: ASTVision 41  
Size: 14  
Max resolution: 1024x768x70Hz  
Jumper/Switch settings:

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 Ctrl-Alt-Esc during startup

#### **Settings:**

Floppy and Boot

Floppy Drives

Floppy Drive Adapter....Built-in

Floppy Disk 1.....1.44MB 3.5"

Floppy Disk 2.....None

Logical Drive A/B.....Floppy Drive 1/2  
Boot Options  
Keyboard Error.....Report as error  
Num Lock.....Off at boot  
Boot Device.....Try floppy first  
POST Testing.....Normal  
Power Conservation  
Hard Disk Timeout.....[0] minutes

#### Primary Hard Drives

Hard Disk Adapter.....Built-in

First Hard-Disk Type....Auto  
Heads.....32  
Cylinders.....523  
Sectors per track.....63  
Write precomp.....523  
Landing zone.....523

Second Hard-Disk Type...Auto  
Heads.....---  
Cylinders.....---  
Sectors per track.....---  
Write precomp.....---  
Landing zone.....---

#### Secondary Hard Drives

Hard Disk Adapter.....Built-in

First Hard-Disk Type....Auto  
Heads.....---  
Cylinders.....---  
Sectors per track.....---  
Write precomp.....---  
Landing zone.....---

Second Hard-Disk Type...Auto  
Heads.....---  
Cylinders.....---  
Sectors per track.....---  
Write precomp.....---  
Landing zone.....---

## Video and Memory

### Video

Primary adapter.....Color  
Video Adapter.....EGA/VGA

### Memory

Total Memory Size.....16MB  
External Cache Size.....256KB

## Ports

Parallel port.....378h, IRQ7  
Parallel port type.....Standard  
Serial port 1.....3F8h  
Serial port 2.....2F8h

### Mouse

Built-in mouse port.....Enable



User Security  
  Password  
    User password.....None  
  Security protection  
    Walk 'n' lock duration..[0] minutes

Admin Security  
  Password  
    Admin password.....None  
  Security protection  
    Setup Privilege.....User and Admin  
    BIOS Update.....User and Admin  
    Change user password.....User and Admin  
    Minimum password size.....[0] characters  
    Read-Only ISA configuration...READ/WRITE  
    Read-Only floppy drive.....READ/WRITE  
    Read-only I/O port.....READ/WRITE  
  Boot options  
    Prompt for setup.....Display

System Info  
  Revisions  
    BIOS.....1.06  
    Keyboard controller...1.01  
    BIOS loader.....1.00  
  
  System Serial Number....035ACP000711  
  Asset Tag.....

**Special installation instructions:**

Since this configuration does not include a CD-ROM drive, you will need to either install NEXTSTEP over a network or install a CD-ROM drive.  
You will need the ATI Mach64 driver, 1734\_ATIMach64DisplayDriver.pkg.compressed from NeXTanswers or NeXT Support.

**Driver settings:**

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

**Display**

    ATIMach64DisplayDriver  
        Display Mode: Height: 768 Width: 1024 Refresh: 70Hz ColorSpace: RGB:256/8

**Pointing Device**

    PS2Mouse  
        Inverted: No  
        Resolution: 150  
        Class Names: PS2Mouse  
        IRQ Levels: 12

**Network**

    Intel82595NetworkDriver  
        I/O Ports: 0x300-0x30F  
        IRQ Levels: 10

**SCSI**

    none

**Audio**

    System Beep

Style: Plain

Duration: 100

Frequency: 880

### **Other**

ISA/EISA Bus Support

PCI Bus Support

PS/2-Style Keyboard

Floppy Disk Drive

On-Board Serial Ports

IDE Disk Controller for large disks

On-Board Parallel port

## **Known Problems**

No unusual problems were reported by the submitter during testing of this system.

**See Also: (None)**