NEXTSTEP for Intel Processors Tested Compatible System

Title: AST Bravo MS P/75

Entry Number: 1961
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NEXTSTEP Release Tested: 3.3

Product Vendor:
Kerry Austin
AST Computer
16215 Alton Parkway
Mail Stop 2-83
Irvine, CA 92718
Tel. 714 727-4141

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 4l
    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)