

NEXTSTEP for Intel Processors

Title: eCesys Model 466-IT01

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Product Vendor:

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Commentary:

The information in this entry was provided by eCesys.

Graphics

The eCesys 466-IT01 supports 800 x 600 in 32 bit color, 1152 x 900 16 bit color, and up to 1280 x 1024 8 bit grayscale under NEXTSTEP. In addition to six ISA slots, the eCesys 466-IT01 provides a VESA local bus slot and a mulitmode Wingine slot. This system incorporates the Chips & Technologies Wingine video chipset and provides localbus video performance. The Wingine Card is integrated into a modified localbus slot and can be upgraded. The base system includes 2MB of 32 bit, interleaved, frame-buffer VRAM for the video card.

SCSI

The system utilizes a DPT 2021/90 controller as the standard SCSI interface, and can be upgraded to include a cache module which will support up to 64MB of cache RAM, and RAID.

Sound

The Microsoft Sound System provides a full, 16 bit sound solution on the ISA bus under NEXTSTEP and Windows.

Color

All Hardware configurations are available in either black or white.

Setup and Installation:

Use the ROM setup program to configure your eCesys. To run this program, type **Ctrl-Alt-s** early in the boot process when prompted.

eCesys successfully installed NEXTSTEP Release 3.2 onto an eCesys 486 with the configuration settings detailed below. This system was running on a SCSI hard disk.

Chips and Technologies, Inc. System Configuration Utility

STANDARD SETUP OPTIONS

Time : 09:00:06

Date : December 19, 1993

Processor : 486DX2

Coprocessor : 486DX2
Diskette A : 3.5 Inch, 1.44 MB
Diskette B : Not Installed

	Cyl	Hd	Pre	LZ	Sec	Size
Fixed Disk C :	1018	14	None	1018	62	431

Fixed Disk D : Not Installed

BIOS Found :

Base Memory : 640 KB 640 KB
Extended Memory : 31744 KB 31744 KB
Display : EGA or VGA

ADVANCED FEATURE CONTROL

Numlock : Off
Cache Initialization : Enabled
486 Cache : Enabled
DRAM Timing : 5-3-3-3 (33-40 MHz, Cache)
Shadow System BIOS : Enabled
Shadow Video BIOS : Enabled
Boot Device Order : A:, C:
Password : Disabled

TECHNICAL OPTION CONTROL

Dynamic Memory Sizing : Enabled
Block 0 DRAM Type : 256 KBit
Block 0 Bank Count : 1
Block 0 Start Address : 0 MB
Block 1 DRAM Type : Disabled
Block 1 Bank Count : 1
Block 1 Start Address : 0 MB
Block 2 DRAM Type : Disabled
Block 2 Bank Count : 1
Block 2 Start Address : 0 MB
Block 3 DRAM Type : Disabled
Block 3 Bank Count : 1
Block 3 Start Address : 0 MB

DRAM Decode Mode : 4-RAS mode
Block 0 Interleave : Disabled
Block 1 Interleave : Disabled
Block 2 Interleave : Disabled
Block 3 Interleave : Disabled
AT bus Clock Select : ATCLK
AT bus 16-bit cmd delays : 0
AT bus I/O cmd delays : 1
AT bus 16-bit Wait States : 1
AT bus 8-bit Wait States : 3
AT bus address hold time : 0
VRAM type : Split Transfer

CHIPSet REGISTER CONTROL

Idx B76543210
05 : 00000101
06 : 00101001
07 : 00001111
08 : 00000000
09 : 00000000
0A : 10110000
0B : 00010000
0C : 00000101
0D : 00000000
10 : 11000101
11 : 10000000
12 : 00000001
13 : 00000000
14 : 00000000
15 : 00000000
16 : 00000000
17 : 00000000
18 : 00000000
19 : 00000000
1A : 00000000

1B : 01000011
20 : 00000000
21 : 00000000
27 : 00100000
28 : 00000000
29 : 00000000
2A : 00000000
2B : 00000000
2C : 00000000
2D : 00000000
2E : 00000000
2F : 00000000
30 : 11111111
31 : 00000111
32 : 00000000
33 : 11111111
34 : 00000111
35 : 00000000
36 : 00000000
E2 : 00100000
E3 : 00010011
E4 : 00010000
E5 : 00000101

Known Problems:

Release 3.1

The eCesys 486, the Logitech Bus Mouse, and the current version of the installation software conflict. This problem results in the error "AHA timeout" and the system hanging during the boot process while it probes for the CD-ROM drive. To work around this, remove the bus mouse and use a PS/2 mouse while you install NEXTSTEP. You can reinstall your Logitech Bus Mouse after you finish installing the software.

The current (Dec '93) eCesys 466-IT01 no longer ships with a Logitech Bus Mouse. The PS/2 mouse is highly recommended with this system.