

NEXTSTEP for Intel Processors

Title: Compaq Deskpro M-Series

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Product Vendor:

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Keywords: Compaq Deskpro M

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Overview

The Compaq DeskPro M includes an Intel 80486 Processor running at either 50Mhz or 66Mhz and an EISA bus with five slots. It provides up to 640 x 480 in 32 bit color and 1024 x 768 in both 16 bit color and 8 bit grayscale with Compaq's Qvision 1024/E EISA graphics adapter.

System Configuration

System CPU Board(s)

Compaq DeskPro 50M

Compaq DeskPro 66M

CPU Type(s) & Speed(s)

50MHz or 66MHz 80486

System RAM

16MB minimum (color), 8MB minimum (grayscale)

IDE Controller(s)

Integrated

SCSI Controller(s)

Adaptec 1542CF

SCSI CD-ROM Drive(s)

Sony 541

Hard Drive(s)

510MB IDE - Connor model #CP3541

Floppy Drive(s)

Integrated 1.44MB 3.5"

Graphics Adapter(s)

Compaq Qvision 1280/E, 2MB VRAM - EISA graphics adapter

Serial Port(s)

Integrated, COM1,COM2

Parallel Port(s)

Integrated, LPT2

Keyboard(s)

Compaq, PS/2 interface

Mice and Other Pointing Devices

Microsoft, PS/2 interface

LAN Adapter(s)

Intel EtherExpress

Sound Card(s)

Compaq Business Audio

Monitor(s)

NEC 5fg

Setup and Installation:

The following EISA Configuration Utility (ECU) settings were recorded by NeXT. Use the ECU to configure your system to match these settings.

The default printer port is LPT1. It should change to LPT2.

EISA Configuration Utility

ECU Revision Number:

.cfg file versions used: CPQ0509.cfg, DPTA410.cfg

ECU Settings**System - Compaq Deskpro/M With Audio**

Primary Operating System: Other

System Identification Number: None

Integrated Diskette Controller

Standard Interface: Primary Address

Drive A: 1.44 Megabyte (3.5 Inch)
Drive B: Not Installed
Drive A/B Swap: Not Swapped

Integrated Fixed Disk Controller

Standard Interface: Primary Address
Drive Type-Unit 1: Type 61 (510.4 MB)
Drive Type Unit 2: Not Installed

Compaq Memory

Base Memory: 640 KB, Linear
Total Memory: 40960, Linear

Passwords

Set Power-On Password: Disable
Set Network Server Mate: Disabled
Set Quicklock Password State: Disabled
Set Quickblank State: Disabled

Power-On Features

Power-On Numlock State: Off
Power-On Speed State: High
Diskette Boot Control: Enable Floppy Boot

Integrated Interfaces

Serial (A): COM1
Serial (B): COM2
Parallel: LPT2
AUX Input (Pointing Device): Interrupt Enabled

Integrated Audio

Integrated Audio Adapter: Enabled
Audio Capture: Resources Enabled

Audio Playback: Resources Enabled

Slot 5 - Compaq Qvision 1280/E Graphics Controller

Video Modes Status

Color Text Modes: Supported

Monochrome Text Modes: Supported

Graphics Modes: Supported

Advanced Video Features

Extended Rom: Extended Rom Supported

Video Interrupt: Disabled

Video Controller Order: First

High Address Video Buffer: Enabled 1 MB Installed

Memory SIMM Information

Simmm Socket 1: Standard Access 8 MB Module

Simmm Socket 2: Standard Access 8 MB Module

Simmm Socket 3: Standard Access 8 MB Module

Simmm Socket 4: Standard Access 8 MB Module

Known Problems:

Sometimes NEXTSTEP will only find 16 megs of memory on Compaq systems, even though more is installed. This is due to the BIOS being loaded into RAM, which prevents NEXTSTEP from finding memory beyond 16 megabytes. To enable all available memory, the system memory setting needs to be changed from 'Compaq Compatible' to 'Linear'. This can be changed with the ECU (EISA Configuration Utility) on EISA machines or setup utility on ISA machines. This will allow NEXTSTEP to access all available memory.