

NEXTSTEP for Intel Processors Release 3.3

Display Driver Overview

Driver: Chips & Technologies Wingine 64300

Driver Overview: NeXTanswer #1756

Last Update: March 25, 1996

Availability Information

Newer Released Driver in NeXTanswers: Yes, Version 3.30, as NeXTanswer #1755

Newer Beta Driver in NeXTanswers: No, Version 0.00, as NeXTanswer #

Driver Name / Installer .pkg: Wingine64300DisplayDriver

Driver Type: Display

Driver Scope: Specific Product

Supported Components: C&T 64300 (Wingine)

PC Bus / Interface Supported by Driver*: Integrated

General Overview notes: This driver supports the Wingine 64300 Display chipset on the NEC PowerMate 466D.

Supported Products / Add-on Adapters:

Supported Products / Systems (ie integrated into PC System):

NEC Powermate 466D

Special Features of Driver / Driver Notes:

The RAMDAC used in this system supports a Color Pallet only in 8 bit modes. This results in the brightness slider in Preferences, as well as automatic screen dimming, only working if an 8 bit mode is selected.

Display Driver Details

Supported Connectors: 15-pin High Density (VGA)

Access Mode: Linear Framebuffer

Adapter Memory: 1MB DRAM, 2MB DRAM

Display Modes (Number in () after resolution indicates frame buffer size required)

32 Bit Color Modes*:

16 Bit Color Modes*:

640x480 (1MB+), 800x600 (1MB+)

8 Bit Color / Greyscale Modes*:

1024x768 (1MB+), 1120x832 (1MB+), 640X480 (1MB+), 800x600 (1MB+)

Known Problems

SoftPC will generate an illegal instruction error when switching to full screen mode.

Driver Version Notes

Future Planning

Future / Update Planning:

Reason for New Driver / Update:

New Driver / Update Timeframe:

New Driver / Update Description:

Note: Information contained in the "Future Planning" section of this document does not constitute a commitment on the part of NeXT to complete the planned development work.

* - Indicates information that is inclusive of the entire capability of this driver. Not all devices supported by this driver may include all features listed. Check any available NeXTanswers and the hardware manual for the device for additional information.

Product Vendor