

# OPENSTEP for Mach Intel Processors

## Release 4.x

### Display Driver Overview

**Driver:** Chips & Technologies Wingine 64300

**Driver Overview:** NeXTanswer #2223

**Last Update:** July 12, 1996

### Availability Information

**A version of this driver is on the CDROM**

**Newer Released Driver in NeXTanswers\*:** No, Version 0.00, as NeXTanswer #2225

**Newer Beta Driver in NeXTanswers\*:** No, Version 0.00, as NeXTanswer #2224

**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

4.00 - Released on OPENSTEP 4.0 User CD-ROM

## 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.

\* - Any NeXTanswer number that is blank indicates that a driver will not be released for this version of NEXTSTEP.

\*\* - 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