

OPENSTEP for Mach Intel Processors

Release 4.x

Display Driver Overview

Driver: S3 Generic

Driver Overview: NeXTanswer #2382

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 #2384

Newer Beta Driver in NeXTanswers*: No, Version 0.00, as NeXTanswer #2383

Driver Name / Installer .pkg: S3GenericDisplayDriver

Driver Type: Display

Driver Scope: Generic-Chipset

Supported Components: S3 732 (Trio32), S3 764 (Trio64), S3 764 (Trio64V+), S3 801, S3 805, S3 864 (Vision), S3 868 (Vision), S3 911

PC Bus / Interface Supported by Driver:** Integrated, PCI, VL-Bus

General Overview notes: This driver will support a variety of video display devices based on S3 chipsets. It is primarily intended to support implementations based on the S3 Vision864 & Vision868 chips, though it should also support many adapters based on other S3 products such as the Vision964, Vision968, Trio32, & Trio64.

This driver is a generic chipset driver and as such, is only intended to be used as a last resort. If a driver is available that specifically supports your display adapter, that driver should be used rather than this generic driver.

NeXT does not guarantee that this driver will work with any specific adapters or implementations, but expects that it will support many.

Supported Products / Add-on Adapters:

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

Special Features of Driver / Driver Notes:

This device driver provides information in the Configure application's help panel. Choose Info>Help from the Configure menu and scroll down to find this device driver's help topic.

Display Driver Details

Supported Connectors: 15-pin High Density (VGA)

Access Mode: Linear Framebuffer

Adapter Memory: .5MB DRAM, 1MB DRAM, 1MB VRAM, 2MB DRAM, 2MB VRAM, 4MB DRAM, 4MB VRAM, 8MB VRAM

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

32 Bit Color Modes**:

1024x768 (4MB+), 640x480 (2MB+), 800x600 (2MB+)

16 Bit Color Modes**:

1024x768 (2MB+), 1280x1024 (4MB+), 640x480 (1MB+), 800x600 (1MB+)

8 Bit Color / Greyscale Modes**:

1024x768 (1MB+), 1280x1024 (2MB+), 640x480 (1MB+), 800x600 (1MB+)

Known Problems

Driver Version Notes

3.32 - Added support for the Trio64V+ chipset
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