

NEXTSTEP for Intel Processors Release 3.3

Display Driver Overview

Driver: STB Pegasus

Driver Overview: NeXTanswer #1812

Last Update: June 24, 1996

Availability Information

A version of this driver is on the CDROM

Newer Released Driver in NeXTanswers*: Yes, Version 3.31, as NeXTanswer #

Newer Beta Driver in NeXTanswers*: No, Version 0.00, as NeXTanswer #2097

Driver Name / Installer .pkg: PegasusDisplayDriver

Driver Type: Display

Driver Scope: Product Family

Supported Components: AT&T ATT20C505 RAMDAC, Brooktree Bt485A RAMDAC, S3 928

PC Bus / Interface Supported by Driver:** VL-Bus

General Overview notes: The STB Pegasus-VL graphics driver is designed to support the VL-Bus version of the Pegasus graphics adapter from STB. This card uses the S3-928 graphics controller and supports 1MB, 2MB or 4MB of video frame buffer. This version of the driver only supports 1MB, 2MB or 4MB of VRAM.

Supported Products / Add-on Adapters:

STB Pegasus (VL-Bus, 4MB VRAM)

STB Pegasus (VL-Bus, 2MB VRAM)

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: 2MB VRAM, 4MB 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+), 1152X819 (4MB+), 1280x1024 (4MB+), 1600x1200 (4MB+), 640x480 (1MB+), 800x600 (1MB+)

8 Bit Color / Greyscale Modes:**

1024x768 (1MB+), 1152X819 (1MB+), 1280x1024 (2MB+), 800x600 (1MB+)

Known Problems

Version 3.31 of this driver is named differently than version 3.30 which shipped on the NEXTSTEP3.3 CD-ROM. Installing the newer version will leave both drivers co-resident, so both versions will be visible in Configure.app. Remove any instances of the older version and replace them with instances of the newer driver.

Driver Version Notes

3.30 - Shipped with NS3.3 - based on interpreted IOVP code

3.31 - Total re-write in ObjC - 8 bit color modes added

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.

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