OPENSTEP for Mach Intel Processors Release 4.x

Display Driver Overview

Driver: Diamond Stealth64
Driver Overview: NeXTanswer #2256
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 #2258
Newer Beta Driver in NeXTanswers*:   No, Version 0.00, as NeXTanswer #2257

Driver Name / Installer .pkg: DiamondStealth64DisplayDriver
Driver Type: Display
Driver Scope: Product Family
Supported Components: S3 964 (Vision)
PC Bus / Interface Supported by Driver:** PCI, VL-Bus

General Overview notes: This graphics driver is designed to support the VL-Bus & PCI versions of the Stealth 64 Graphics adapters from Diamond Computer Corp. These cards are based on the S3-964 graphics controller chipsets and support 2MB or 4 MB of VRAM. This driver supports both configurations including a variety of high-resolution and high-color (32bit) modes. DRAM-based cards are not supported.

Supported Products / Add-on Adapters:
Diamond Stealth 64 (PCI, 4MB VRAM)
Diamond Stealth 64 (PCI, 2MB VRAM)
Diamond Stealth 64 (VL-Bus, 4MB VRAM)
Diamond Stealth 64 (VL-Bus, 2MB VRAM)

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

Special Features of Driver / Driver Notes:
This driver also works with the Spider Tarantula 64PCI display adapter

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+), 1152x864 (4MB+), 640x480 (2MB+), 800x600 (2MB+)

16 Bit Color Modes****:**
1024x768 (2MB+), 1152x864 (2MB+), 800x600 (1MB+)

8 Bit Color / Greyscale Modes****:**
1024x768 (1MB+), 1152X864 (1MB+), 1280x1024 (2MB+), 1600x1200 (2MB+), 800x600 (1MB+)

Known Problems

Diamond Stealth 64 Series 2001 does not use an S3 controller, it uses the ARK Logic which is not supported.

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.

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