

OPENSTEP for Mach Intel Processors

Release 4.x

Display Driver Overview

Driver: S3 ViRGE Display Driver

Driver Overview: NeXTanswer #2385

Last Update: September 12, 1996

Availability Information

Newer Released Driver in NeXTanswers*: Yes, Version 4.01, as NeXTanswer #2387

Newer Beta Driver in NeXTanswers*: No, Version 0.00, as NeXTanswer #2386

Driver Name / Installer .pkg: S3ViRGEDisplayDriver

Driver Type: Display

Driver Scope: Generic-Chipset

Supported Components:

PC Bus / Interface Supported by Driver:** PCI

General Overview notes: This driver supports the Number Nine Reality 332 and Diamond Stealth 3D 2000 display adapters. Other S3 ViRGE implementations that adhere to S3's reference BIOS should be supported as well.

Supported Products / Add-on Adapters:

Number Nine 9FX Reality 332 PCI Display Adapter

(90-332010-000, 91-332010-000, 91-332013-000)

Diamond Stealth 3D 2000 PCI Display Adapter

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

Special Features of Driver / Driver Notes:

The 1152x864 modes listed below are supported only by the Number9 Reality 332 Display Adapter. These modes are not available on the Diamond Stealth 3D 2000, and are not supported on generic S3/ViRGE implementations.

This adapter is not recommended for applications requiring 32 bit color; 32 bit modes will appear dim because the hardware does not implement gamma correction.

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 EDO DRAM

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

32 Bit Color Modes:**

640x480 (2MB+), 800x600 (2MB+)

16 Bit Color Modes:**

1024x768 (2MB+), 1152x864 (2MB+), 640x480 (1MB+), 800x600 (1MB+)

8 Bit Color / Greyscale Modes:**

1024x768 (1MB+), 1152x864 (1MB+), 1280x1024 (2MB+), 640x480 (1MB+), 800x600 (1MB+)

Known Problems

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.

* - 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

Number Nine Visual Technology
18 Hartwell Avenue
Lexington, MA 02173-3103

Voice: (617) 674-0009
FAX: (617) 674-2919
BBS: (617) 862-7502 (8/1/N, up to 28kbps)
URL: <http://www.nine.com>

Diamond Multimedia Systems, Inc.
2880 Junction Ave.
San Jose, CA 95134-1922
USA

(800) 4-MULTIMEDIA (Sales Info)
(408) 325-7000 (Main Phone)
(408) 325-7070 (Main Fax)

(+44) 01753-501400 (UK)
(+49) 8151-2660 (German)
(+81) 03-5695-8401 (Japan)

WWW: <http://www.diamondmm.com>