

NEXTSTEP for Intel Processors Release 3.3

Display Driver Overview

Driver: Matrox MGA Millennium

Driver Overview: NeXTanswer #1974

Last Update: April 5, 1996

Availability Information

Newer Released Driver in NeXTanswers: Yes, Version 3.30, as NeXTanswer #1975

Newer Beta Driver in NeXTanswers: Yes, Version 3.31, as NeXTanswer #2141

Driver Name / Installer .pkg: MatroxMGA2064WDisplayDriver

Driver Type: Display

Driver Scope: Specific Product

Supported Components: Matrox MGA2064W (Storm), TI TVP3026 RAMDAC

PC Bus / Interface Supported by Driver*: PCI

General Overview notes: This graphics driver is designed to support the MGA Millennium Graphics adapters from Matrox Graphics Inc. It may also support other adapters based on the MGA 2064W Graphics controller chipset from Matrox.

This driver supports the use of 2MB or 4MB of WRAM.

Supported Products / Add-on Adapters:

Matrox MGA Millennium

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 WRAM, 4MB WRAM

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

32 Bit Color Modes*:

1024x768 (4MB+), 1152x864 (4MB+), 640x480 (2MB+), 800x600 (4MB+)

16 Bit Color Modes*:

1024x768 (2MB+), 1152x864 (2MB+), 1280x1024 (4MB+), 1600x1200 (4MB+), 640x480 (1MB+), 800x600 (1MB+)

8 Bit Color / Greyscale Modes*:

1024x768 (1MB+), 1152x864 (1MB+), 1280x1024 (2MB+), 1600x1200 (2MB+), 640x480 (1MB+), 800x600 (1MB+)

Known Problems

Driver Version Notes

3.30 - Initial Release of this Driver

Future Planning

Future / Update Planning: Under Development

Reason for New Driver / Update: New Features

New Driver / Update Timeframe: Q3 96

New Driver / Update Description:

Support is being added for multiple Matrox Millennium display adapters (i.e., Multiheaded configurations).

Support is being added for 8MB WRAM configurations, though this will only enable one new resolution (1280x1024x24bpp).

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.

* - 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

Matrox Graphics, Inc.
1025 St-Regis Blvd.
Dorval, Quebec
Canada H9P 2T4

(514) 685-7230