

NEXTSTEP for Intel Processors Release 3.3

Display Driver Overview

Driver: Cirrus Logic GD5434

Current Availability: Beta

NeXTanswers Driver #: 1707_CirrusLogicGD5434DisplayDriver.pkg.compressed

NeXTanswers Overview #: 1818

Last Update: 15 December 94

Driver Name / Installer .pkg: CirrusLogicGD5434DisplayDriver.config

Driver Type: Display

Driver Scope: Generic-Chipset

Component Supported: GD5434

Component Manufacturer: Cirrus Logic

PC Bus / Interface Supported by Driver*: Custom LB, PCI, VLB

Supported Products / Add-on Adapters:

Diamond SpeedStar 64 (PCI)

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

Elonex WS4100

Intel Premier (with integrated GD5434)

Special Features of Driver / Driver Notes: Because this chip has an integrated RAMDAC with only an 8 bit palette, Preferences's Brightness slider (and hardware gamma correction in general) doesn't work for any non-8 bit modes. Also the 32-bit colors look dark. There is no fix for these problems.

Display Driver Details

Frame Buffer Sizes Supported*: 1MB VRAM, 2MB VRAM

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+), 800x600 (1MB+)

8 Bit Color / Greyscale Modes*:

1024x768 (1MB+), 1152X864 (1MB+), 1280x1024 (2MB+), 800x600 (1MB+)

Supported RAMDAC's*:

Integrated

Known Problems

None

Future Planning

Future / Update Planning: Under Development

Reason for New Driver / Update: New Driver

New Driver / Update Timeframe: Q1 95

New Driver / Update Description: Adding PCI Auto-Detect & Auto-Configure functionality and 8 bit color modes

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.