

# **NEXTSTEP for Intel Processors**

**Title:** miroCrystal32S or miroRainbowWin Graphics Adapter

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## **Product Vendor:**

miro Computer Products

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**Keywords:** miro, S3 928, VLB, EISA, PCI

## **Usage Commentary:**

The miroCrystal 32S displays up to 1024 x 768 32-bit color graphics or 1408 x 1024 16-bit color or 1408 x 1024 8-bit grayscale under NEXTSTEP. This card is available in VESA

localbus or PCI bus versions. Additionally the compatible miro RainbowWin card is available in an EISA version. The miroCrystal 32S provides faster graphics due to the faster bus interface. All versions support up to four megabytes of video RAM.

Note that you must use the miroCrystal display driver for NEXTSTEP Release 3.2, supplied by miro Computer Products.

**System Support of the miroCrystal 32S Display Adapter Device Driver**

miroCrystal 32S Display Adapters			
System	8-bit Grayscale	16-bit Color	32-bit Color
miroCrystal 32S - VESA    VRAM	800 x 600 1MB VRAM 70 Hz	800 x 600 1MB VRAM 72 or 76 Hz	
	1024 x 768 1MB VRAM	1024 x 768 2MB VRAM	1024 x 768 4MB
	72-76 Hz	72-78 Hz	72 Hz
	1152 x 864 2MB VRAM 62-70 Hz	1152 x 864 2MB VRAM 62-70 Hz	

miroCrystal 32S - PCI    VRAM	1280 x 1024 2MB VRAM 60 or 70 Hz	1280 x 1024 4MB VRAM 60 or 70 Hz	
	1408 x 1024 2MB VRAM 66 or 74 Hz	1408 x 1024 4MB VRAM 66 or 74 Hz	
	800 x 600 1MB VRAM 70 Hz	800 x 600 1MB VRAM 72 or 76 Hz	
	1024 x 768 1MB VRAM  72-76 Hz	1024 x 768 2MB VRAM  72-78 Hz	1024 x 768 4MB  72 Hz
	1152 x 864 2MB VRAM 62-70 Hz	1152 x 864 2MB VRAM 62-70 Hz	
	1280 x 1024 2MB VRAM 60 or 70 Hz	1280 x 1024 4MB VRAM 60 or 70 Hz	
	1408 x 1024 2MB VRAM 66 or 74 Hz	1408 x 1024 4MB VRAM 66 or 74 Hz	
miroRainbowWin - EISA	800 x 600 1MB VRAM	800 x 600 1MB VRAM	

	70 Hz	72 or 76 Hz	
VRAM	1024 x 768 1MB VRAM	1024 x 768 2MB VRAM	1024 x 768 4MB
	72-76 Hz	72-78 Hz	72 Hz
	1152 x 864 2MB VRAM 62-70 Hz	1152 x 864 2MB VRAM 62-70 Hz	
	1280 x 1024 2MB VRAM 60 or 70 Hz	1280 x 1024 4MB VRAM 60 or 70 Hz	
	1408 x 1024 2MB VRAM 66 or 74 Hz	1408 x 1024 4MB VRAM 66 or 74 Hz	

## Setup and Installation:

You must install the miroCrystal display driver available from miro Computer Products before configuring the card. Please refer to the online help of the Configure application for an explanation of this process.

The miroCrystal NEXTSTEP driver automatically sets all of the necessary parameters as

specified in the Configure application. It is not necessary to run the MS-DOS version of the configuration software when working with either of these cards under NEXTSTEP.

When using the Configure application to configure the miroCrystal display driver, you can modify the Display Mode settings by clicking the Select button. The Width and Height parameters are the width and height of the display in pixels. The Refresh parameter is the refresh rate of the monitor in Hertz. The Color Space parameter is of the form BW: $x$  where  $x$  is the number of bits/pixel, and RGB: $xyz/w$  where  $x$ ,  $y$ , and  $z$  are the number of bits/component and  $w$  is the number of bits/pixel.

## **Known Problems:**

The NeXT supplied S3 display driver does not work with these cards. Please use the NEXTSTEP driver available from miro Computer Products.

## **Note:**

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