NEXTSTEP for Intel Processors

Title: S3 Graphics Support Under NEXTSTEP
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Description:

The NEXTSTEP Release 3.1 S3 display driver supports the integrated S3 graphics chipset on the Dell M series, the Dell L series, and the DEC MTE d2 series. Refer to the NEXTSTEP Hardware Compatibility Guide (NeXTanswers document1002_Hardware_Compatagility_Guide , and1157_Hardware_Compatability_Guide_Plain_Text_Version) for more information on S3 support on all of these systems.

Add-on cards with integrated S3 graphics are not currently supported. NeXT plans to support some of these cards in future releases of the S3 display driver.

Release 3.3:

See NeXTanswer document 1002_3.3_Intel_Hardware_Compatibility_Guide.rtfd

System Requirements for Release 3.1 S3 Graphics Driver

DEC MTE-d2 system: 1 MB VRAM supports   800x600 w/ Localbus S3-805
DEC MTE-d2 system: 1 MB VRAM supports   800x600 w/ Localbus S3-928
DEC MTE-d2 system: 2 MB VRAM supports 1024x768 w/ Localbus S3-928
DEC MTE-d2 system: 4 MB VRAM supports 1280x1024 w/ Localbus S3-928
[DEC MTE-d2 (S3 805 and S3 928 versions): driver update required]

Dell 450DE/2 DGX: 2MB VRAM supports 1120 x 832 16 bit color
Dell ME, L, M Series: 1 MB VRAM supports 800x600 16 bit color, or
                         1 MB VRAM supports 1024x768 8 bit grayscale

HP N and NI series: 1 MB VRAM supports 800x600 16 bit color
HP Vectra XM series: 1 MB VRAM supports 800x600 16 bit color
HP Vectra XM series: 2 MB VRAM supports 1024x768 16 bit color
[HP Vectra XM series: driver update required.]

Release 3.1:

Update 1 of the S3 graphics driver is now available from NeXTanswers via anonymous FTP (ftp.next.com) or email (nextanswers@next.com). Request document numbers 1332_S3Driver.pkg.compressed and 1331_S3Driver.ReadMe. This update provides enhanced functionality and several systems on the Hardware Compatibility Guide require it to utilize their full graphics potential under NEXTSTEP.   This driver is included with the NEXTSTEP Release 3.2 User CD.

S3 Driver Update 1 System Support

S3 86C8051Based Display Adapters
With an AT&T 20C491 or 20C492 RAMDAC

System	8-bit Grayscale	16-bit Color
DEC 466d2 MTE w/805	1024X768 1MB VRAM 60, 70, or 72 Hz	800x600 1MB VRAM 60 Hz

System	8-bit Grayscale	16-bit Color
DELL ME Series	1024X768 1MB VRAM 60, 70, or 72 Hz	800x600 1MB VRAM 60 Hz
HP N, NI Series	1024X768 1MB VRAM 60, 70, or 72 Hz	800x600 1MB VRAM 60 Hz
IBM ValuePoint S, D, T	1024X768 1MB VRAM 60, 70, or 72 Hz	800x600 1MB VRAM 60 Hz

S3 86C9281Based Display Adapters
With a BT 485 RAMDAC

System	8-bit Grayscale	16-bit Color
HP Vectra XM	1024X768 1MB VRAM 60, 70, or 72 Hz 1280x1024 2MB VRAM 60 Hz	800x600 1MB VRAM 60 Hz 1024x768 2MB VRAM 60 or 72 Hz
DEC 466d2 MTE w/928	1024X768 1MB VRAM 60, 70, or 72 Hz 1280x1024 2MB VRAM 60 Hz	800x600 1MB VRAM 60 Hz 1024x768 2MB VRAM 72 Hz 1280x1024 4MB VRAM 60 Hz

Setup and Installation:

Known Problems:
Release 3.1 and 3.2:
7   Update 1 of the S3 driver may produce fuzzy graphics when used on a DEC MTE 466-d2 (S3 928 version) in1024x768 16-bit color at 60 Hz.