

### Overview

## NVIDIA Quadro4 380 XGL Graphics Controller

### Models

NVIDIA Quadro4 380 XGL Graphics Controller  
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### Introduction

The NVIDIA Quadro4 380XGL is an Entry 3D product that provides leadership performance at an entry 3D price point. The 380XGL combines the performance of 64MB of unified graphics memory and the flexibility of dual-analog, single-analog plus single-digital plus TV output for maximum on-screen real estate and productivity.

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### Key Benefits

- 64MB of high-speed DDR-SDRAM.
  - nView multi-display solution for unsurpassed multi-display ease-of-use and functionality.
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### Performance

The NVIDIA Quadro4 380XGL is optimized for entry level 3D graphics configurations. It comes with enhanced, customized multi-display drivers, including nView multi-display desktop and application management software.

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### Compatibility

The NVIDIA Quadro4 380XGL is compatible with HP Workstations xw4100, xw6000, xw8000.

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### Service and Support

The NVIDIA Quadro4 380XGL has a one-year limited warranty or the remainder of the warranty of the HP product in which it is installed. Technical support is available seven days a week, 24 hours a day by phone, as well as online support forums. Parts and labor are available on-site within the next business day. Telephone support is available for parts diagnosis and installation. Certain restrictions and exclusions apply.

### Technical Specifications

<b>Form Factor</b>	ATX
<b>Graphics Controller</b>	NVIDIA NV18GL GPU
<b>Bus Type</b>	AGP 8x Version 3.0 compliant AGP 4x/2x Version 2.0 compliant
<b>RAMDAC</b>	Dual 350 MHz integrated
<b>Memory</b>	64 MB DDR SDRAM unified frame buffer, Z-buffer and Texture storage
<b>Connectors</b>	VGA DB-15 and DVI-I analog/digital monitor outputs, 4-pin mini DIN providing TV output
<b>Dimensions</b>	AGP full height ATX card. 4.25 x 6.875 in/10.8 x 17.46 cm
<b>Multi-monitor support</b>	Dual monitor
<b>Additional product features</b>	64 MB DDR SDRAM unified frame buffer, Z-buffer and Texture storage 128 KB BIOS 3.3V Flash ROM reprogrammable by SW Hardware Overlay Planes Hardware two-sided lighting Hardware accelerated antialiased points and lines TV Output Diamond exit rule line rasterization for improved line quality 3D Texture support Occlusion Culling Compliant with Microsoft®/Intel® PC2001 Workstation requirements Video Timings compliant with VESA DMT 1.0 and VESA GTF 1.0 specifications DDC2B Monitor support for Windows® 2000 and Windows XP ACPI Version 1.0b Power Management support (all modes)
<b>AGP 8x Version 3.0 compliant and 2x/4x Version 2.0 compliant including</b>	Sideband Addressing AGP Texturing (Execute Mode) Fast writes support
<b>NV18GL GPU featuring:</b>	275 MHz engine clock rate 250 MHz memory clock rate 128-bit memory interface VGA controller Dual integrated display controllers supporting up to 1920x1440 @ 85Hz and 2048x1536 @ 75Hz on both displays 4 parallel pixel pipelines 2 parallel geometry engines nfiniteFX II programmable vertex shader technology and NVIDIA OpenGL extensions Full hardware support for NVIDIA Cg shader programming language
<b>Supported graphics APIs</b>	OpenGL 1.3 (and OpenGL 2.0 when available) ICD with immediate mode support for all OGL primitive types DirectX 8 and above
<b>Available graphics drivers</b>	Microsoft Windows 2000 and Microsoft Windows XP Red Hat Linux HP qualified drivers may be preloaded or available from the HP support Web site: <a href="http://welcome.hp.com/country/us/eng/software_drivers.html">http://welcome.hp.com/country/us/eng/software_drivers.html</a> .

NVIDIA Quadro4 380XGL Graphics Card display resolutions & refresh rates	MONITOR 1, 2 ANALOG/DIGITAL		
	Resolution	Maximum Refresh Rate	Bits per Pixel
	640x480	240Hz/240Hz	8, 16, 24, 32
	800x600	240Hz/200Hz	8, 16, 24, 32
	1024x768	170Hz/140Hz	8, 16, 24, 32
	1152x864	170Hz/100Hz	8, 16, 24, 32
	1280x720	150Hz/120Hz	8, 16, 24, 32
	1280x960	150Hz/85Hz	8, 16, 24, 32
	1280x1024	150Hz/75Hz	8, 16, 24, 32
	1600x900	120Hz/75Hz/NoDigitalDisplaySupport	8, 16, 24, 32
	1600x1024	100Hz/72Hz/NoDigitalDisplaySupport	8, 16, 24, 32
	1600x1200	120Hz/60Hz/NoDigitalDisplaySupport	8, 16
	1600x1200	100Hz/60Hz/NoDigitalDisplaySupport	24, 32
	1920x1080	100Hz/NoDigitalDisplaySupport	8, 16
	1920x1080	85Hz/NoDigitalDisplaySupport	24, 32
	1920x1200	100Hz/NoDigitalDisplaySupport	8, 16
	1920x1200	85Hz/NoDigitalDisplaySupport	24, 32
	1920x1440	85Hz/NoDigitalDisplaySupport	8, 16
	1920x1440	75Hz/NoDigitalDisplaySupport	24, 32
	2048x1536	75Hz/NoDigitalDisplaySupport	8, 16
	2048x1536	60Hz/NoDigitalDisplaySupport	24, 32

### *Technical Specifications*

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