

The next generation of very low-cost, flexible, 2-D graphics accelerators.

Sun™ PGX64 Graphics

HIGHLIGHTS

- Supported by all PCI-based Sun Ultra™ workstations, Sun Blade™ workstations, as well as Sun Enterprise™ workgroup and enterprise servers, and Sun Fire™ 280R servers.
- Works in a 33-MHz, 32-bit, 5-volt PCI slot — has a short form factor (less than 7 inches) and uses very little power (less than 8 watts).
- Based upon the ATI Rage XL chipset with 8 MB of SGRAM.
- 24-bit color support up to 1600 x 1000, and 8-bit color support up to 1920 x 1200.
- Compatible with Solaris™ 2.5.1, 2.6, 7, and 8 Operating Environments.
- Supports legacy as well as currently supported Sun monitors.
- Simultaneous support for 8-bit and 24-bit applications.

Sometimes what you need for your system is a fast, flexible 2-D only accelerator that doesn't make a dent in the budget. With the Sun™ PGX64 graphics accelerator, Sun updates its line of low-cost, 24-bit, 2-D graphics boards for its workstations and servers. This new PCI-based graphics board has all the functionality of PGX32™ graphics, with better performance. The Sun PGX64 board supports a wide range of resolutions (up to 1920 x 1200 in 8-bit mode). In addition, Sun PGX64 graphics supports all legacy Sun monitors manufactured since 1995, as well as the current Sun monitors (17-, 21-, 24-inch monitors and 18-inch flat panel). This graphics accelerator can be used in most PCI-based Sun workstations and servers. As many as four boards can be installed at one time in most systems, providing outstanding flexibility.

PGX64 graphics accelerator can be installed in most PCI-based Sun workstations and servers.



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SUN™ PGX64 GRAPHICS SPECIFICATIONS

The Sun PGX64 graphics accelerator delivers fast windowing and 2-D graphics performance. It is the perfect solution for customers who develop software products, create web content, or who use desktop publishing or entry EDA applications.

Platforms Supported	Most PCI-based Sun workstations with available 32-bit or 64-bit PCI slot (Ultra 5, Ultra 10, Ultra 60, Ultra 80, Sun Blade 100, and Sun Blade 1000)			
	Most PCI-based Sun servers with available 32-bit or 64-bit PCI slot (Sun Enterprise 250, 450, 220R, 420R, 3500, 4500, 5500, 6500, Sun Fire 280R)			
Operating system and API Requirements	Solaris 2.5.1, 2.6, 7, and 8 Operating Environment, OpenGL® for Sun Solaris 1.2.1			
Resolutions Supported	Resolution	Refresh Rate	Sync Format	Color Depth
	1920 X 1200	70 HZ	SUN	8-BIT
	1920 X 1080	72 HZ	SUN	24-BIT
	1600 X 1280	76 HZ	SUN	24-BIT
	1600 X 1200	75 HZ	VESA	8-BIT
	1600 X 1000	66, 76 HZ	SUN	24-BIT
	1440 X 900	76 HZ	SUN	24-BIT
	1280 X 1024	60, 75, 85 HZ	VESA	24-BIT
	1280 X 1024	67, 76 HZ	SUN	24-BIT
	1280 X 800	76 HZ	SUN	24-BIT
	1152 X 900	66, 76 HZ	SUN	24-BIT
	1152 X 864	75 HZ	VESA	24-BIT
	1024 X 768	60, 70, 75, 85 HZ	VESA	24-BIT
	800 X 600	56, 60, 72, 75, 85 HZ	VESA	24-BIT
	720 X 400	85 HZ	VESA	24-BIT
	640 X 480	60, 72, 75, 85 HZ	VESA	24-BIT
Supported APIs	Xlib, Motif, XGL™, XIL™, OpenGL, JDK™ 1 and 2			

Number of frame buffers that can be supported:

Workstation	Maximum number of Sun PGX64 boards	Maximum Sun PGX64 boards with UPA graphics configured
Ultra 5	3	—
Ultra 10	4	1
Ultra 60	4	1 or 2
Ultra 80	4	1 or 2
Sun Blade 100	3	—
Sun Blade 1000	4	1 or 2
Sun Enterprise 220R	4	—
Sun Enterprise 250	4	—
Sun Enterprise 420R	4	—
Sun Enterprise 450	4	—
Sun Enterprise 3500-6500	4	—
Sun Fire 280R	4	1 or 2

Dimensions and Weight

Board length	181 mm (does not include connector overhang/ extender)
Board width	127 mm (not including gold fingers)
Board height	22 mm
Weight	139 g (0.31 lb.)

Power Requirements

Input voltage	5 V (3.3 V supported)
Max. current	0.8 A
Max. power	4 W

For additional information on this product go to
www.sun.com/desktop/products/Graphics/pgx.html

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