

Raptor GFX-8P

High Resolution True Color 24-Bit Graphics



Features

- 3DLabs Permedia 2 Graphics Processor
- 24-Bit True Color Video Output
- 8-Bit Pseudo Color Video Output
- 8 MB Displayable Memory
- Simultaneous 8-Bit and 24-Bit Pixel Formats Eliminates Colormap Flash Problem
- Sun UltraSPARC Visual Instruction Set Acceleration
- OpenWindows and CDE Compatible
- Verified By Sun PCI Product Testing
- Easy Installation
- One Year Warranty

Product Description

The Tech Source Raptor GFX-8P gives PCI workstation users a pivotal boost in graphics power with the unveiling of Tech Source's next generation Raptor GFX board. The Raptor GFX-8P provides a low cost solution for high resolution 24-bit true color graphics in a Sun Microsystems PCI environment.

With the introduction of the new Raptor GFX-8P, Tech Source is addressing the burgeoning market of Sun Ultra 5, Ultra 10 and Ultra 30/60/250/450 users who need to be able to drive high resolution displays in true color and pseudo color modes.

The simultaneous 8-bit and 24-bit capability provides support for both true color and pseudo color applications on the same desktop. This eliminates the colormap flashing problem found when running programs like Netscape's browser with Insignia's SoftWindows.

Support for All PC Monitors

The Raptor GFX-8P ships with 8 MB of high speed graphics memory and an ultra fast 250 MHz DAC (which produces the monitor signal). The board is equipped with a standard connector for PC compatible monitors. The Raptor's fast memory and DAC can drive today's high performance monitors in true color modes, at or near the monitor's maximum rated specifications. And the high resolution display modes make it possible for designers to view entire pictures or images on the screen all at once, without their having to scroll the display.

OpenWindows/CDE Acceleration

For professionals requiring fast X Window System performance in the standard Sun environment, the Raptor GFX-8P accelerates the display of 24-bit and 8-bit graphics at full speed using Solaris 2 loadable device drivers. With a full 8 MB of displayable memory, the Raptor GFX-8P has enough off screen memory to provide 24-bit hardware double buffering at most resolutions.

Markets

- General Desktop Users
- Desktop Publishing
- Multiple Display Applications
- Multiple User Applications
- 2D CAD/CAM/CAE
- Imaging Applications
- Kiosks

Resolutions Supported

The following table is for landscape mode displays. Portrait mode displays are also supported. Display Data Channel (DDC2B) gives you plug-n-play monitor detection so that resolution is properly defaulted to match the display. Contact hotline@techsource.com for more information.

Display Resolution	Color Mode	Vertical Refresh Rate (Hz)
640 x 480	16.7 Million	60/72/75/85/100/120/160
640 x 480	256	60/72/75/85/100/120/160/200
800 x 600	16.7 Million	60/72/75/85/100/120
800 x 600	256	60/72/75/85/100/120/160
1024 x 768	16.7 Million	60/72/75/85
1024 x 768	256	60/72/75/85/100/120
1152 x 900	16.7 Million	60/66/72/75/76
1152 x 900	256	60/66/72/75/76/85/100/120
1280 x 1024	16.7 Million	60/72/75/76
1280 x 1024	256	60/72/75/76/85
1600 x 1000	256	60/75/76
1600 x 1280	256	60/75/76

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Specifications

Graphics Controller	3Dlabs Permedia 2
Memory Configuration	8 MB SGRAM
Horizontal Sync Signals	31.5 kHz - 100 kHz
Vertical Refresh	60 Hz - 200 Hz
Maximum Dot Clock	250 MHz
Video Output Signal	Analog (RS-343)
Video Connector	HD-15
Bus Architecture	32-bit PCI Local Bus
Temperature Rating	0 to 50 °C (operating) -40 to 70 °C (non-operating)
Humidity Rating	10% to 95% (non-condensing)
Power Rating	+5V @ 1.5 Amps max.
Physical	168 mm. x 107 mm. (6.625" x 4.2")
Approvals	FCC Class B Certified, CE Mark
Monitor Support	Standard and multi-frequency analog
Software Support	OpenWindows and CDE for Solaris 2.5.1, 2.6, 2.7 and 2.8
Boot Support	IEEE 1275-Compliant FCode (OBP)



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