

Overview

Models

ATI Radeon X1300 (256MB SH) PCIe Graphics Card

AG392AA

Introduction

The ATI Radeon X1300 (256MB SH) PCIe Graphics Card provides a low profile, PCI Express x16 graphics add-in card based on the ATI RV515 Graphics Processor. It is an ideal solution for those desktop PC customers seeking stable 2D and advanced 3D graphics performance. It is an excellent choice for small business or large enterprise users engaging in video conferencing or 3D image manipulation, while improving the everyday business PC experience with faster frame rates and excellent visual quality.

The ATI Radeon X1300 (256MB SH) PCIe Graphics Card deliver superior PCI Express (PCIe) features including:

- Unprecedented flexibility for new applications and enhanced performance.
- Full 16 lane support with peak bandwidth support which is double the peak performance of AGP 8x.

NOTE: Graphics cards use part of the total system memory (RAM) for graphics performance. System memory dedicated to graphics performance is not available for other use by other programs

Key Benefits

- 256 MB dedicated on-board graphics frame buffer memory removing the need to share PC system memory.
- Next generation ATI RV515 Graphics Processor.
- Conforms to full PCI Express 1.0A specification for low-profile form factor (x16 lanes native PCI Express implementation).
- Provides DVI-I and S-video output ports.
- DVI-to-VGA adapter for VGA output support included.
- Full DirectX 9.0 support in hardware for optimal performance in DX9 applications.
- ATI Avivo technology for improved image and video playback.
- Meets European Environmental Regulatory Regulations.
- OpenGL 2.0 support in hardware for optimal performance with OpenGL applications

Memory	Peak theoretical memory bandwidth
256 MB DDR2	4.0 GB/s

Compatibility

The ATI Radeon X1300 (256MB SH) PCIe Graphics Card is compatible with the HP Compaq Business Desktop dx2200, dx2250, dx2300, dx5150, dx6120 and dx7300 series PCs, dc5750, dc7600 small form factor and convertible minitowers and dc7700 series PCs.

NOTE: The ATI Radeon X1300 (256MB SH) PCIe Graphics Card does not support Dual-link capable monitors (30" or higher LCD monitors). For customers who do not already have a PCIe Riser board installed in their dc7700 USDT for PCIe support, (EU054AA) USDT PCIe Riser Board AMO kit must be ordered for PCIe card support.

NOTE: Not all models are available in all regions.

Overview

Service and Support

Your Option Limited Warranty is a one (1) year (HP Option Limited Warranty Period) parts replacement warranty on any HP-branded or Compaq-branded options (HP Options). If your HP Option is installed in an HP Hardware Product, HP may provide warranty service either for the HP Option Limited Warranty Period or the remaining Limited Warranty Period of the HP Hardware Product in which the HP Option is being installed, whichever period is the longer but not to exceed three (3) years from the date you purchased the HP Option.

Technical Specifications

Bus type	PCI Express (x16 lanes)	
Board display options	DVI-I + TV DVI-I supports analog CRT or flat panel or digital flat panel (using DVI-A, DVI-D or DVI-I connector) DVI-I supports analog CRT or flat panel (with VGA connector and DVI-I to VGA dongle) TV connector is a 4-pin mini-DIN S-video connector	
Board configuration	Specification	Description
	Graphics Chip	RV515
	Core clock	450 MHz
	Memory clock	250 MHz
	Frame buffer	256 MB DDR2
Maximum vertical refresh rate	85 Hz	
Display support	Integrated 400 MHz RAMDAC	
Display max resolution	2048 x 1536	

ATI X1300 256 MB Single-head PCIe Graphics Controller display resolutions and refresh rates.

NOTE: Other resolutions may be available but are not recommended as they may not have been tested and qualified by HP.

Resolution	Maximum Refresh Rate (Hz)	
	Analog Connection	Digital Connection
640x480	85	60
800x600	85	60
1024x768	85	60
1280x720	85	60
1280x1024	85	60
1440x900	75	60
1600x1200	85	60
1680x1050	75	60
1920x1080	85	60-R
1920x1200	85	60-R
1920x1440	85	N/A
2048x1536	75	N/A
2560x1600	N/A	N/A

NOTE: 60-R denotes reduced blanking timings are used on single-link DVI connections and may be used with other digital connections

Technical Specifications

Languages supported	24 languages: English, Arabic, Chinese Simplified, Chinese Traditional, Czechoslovakian, Danish, Dutch, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Thai, Turkish
Operating systems support	Windows Vista Business 64*, Windows Vista Business 32*, Windows Vista Home Basic 32*, Windows XP Professional or Windows XP Home 32*. No driver is required for this device. Native support is provided by the operating system. * Certain Windows Vista product features require advanced or additional hardware. Windows Vista Upgrade Advisor can help you determine which features of Windows Vista will run on your computer. To download the tool, visit: http://www.windowsvista.com/upgradeadvisor . For Windows Vista system requirements, visit: http://www.windowsvista.com/systemrequirements . Linux x86 and x86_64 distributions using XFree86 or X.Org**. ** Linux drivers are available from ATI's website and may be available in a Linux distribution. Refer to the Open Source and Linux from HP website: http://www.hp.com/wwsolutions/linux/products/clients/ for support information.
Core power	25 W (Max board power)
Option kit contents	<ul style="list-style-type: none">● ATI Radeon X1300 (256MB SH) PCIe Graphics Card with full height bracket attached● Low profile bracket● DVI-to-VGA Adapter● Software CD with graphics drivers● Warranty documentation
Compliance standards	<u>EMC Emissions:</u> <ol style="list-style-type: none">FCC Part 15, Subpart B - Unintentional Radiators, Class B Computing Devices for Home & Office UseCISPR22: 1997/EN 55022:1998 - Class B - Limits and methods of measurement of radio disturbance characteristics of Information Technology EquipmentCanadian Standard ICES-003 is equivalent to CISPR22Taiwanese Standard BSMIJapanese VCCIAustralian C-Tick <u>EMC Immunity:</u> <p>CISPR 24:1997/EN 55024:1998 - Information Technology Equipment - Immunity Characteristics - Limits and Methods of Measurement.</p> <u>Safety:</u> <p>UL 60950 (USA) & EN 60950 (EU): Safety of Information Technology Equipment, Including Electrical Business Equipment. All boards meet UL PCB flammability requirements.</p>

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