QuickSpecs

Overview

Models

NVIDIA GeForce GT130 768MB PCIe x16 Graphics Card	AR957AA

Introduction

If you are seeking stable 2D and advanced 3D graphics performance from your HP Compaq Business Desktop, the NVIDIA GeForce GT130 768MB PCIe x16 Graphics Card is the perfect solution in a PCI Express x16 graphics add-in card.

The NVIDIA GeForce GT130 768MB PCIe x16 Graphics Card is an excellent choice for your small business or end user engaging in video conferencing or 3D applications, while improving your everyday business PC experience with faster frame rates and excellent visual quality.

The NVIDIA GeForce GT130 768MB PCIe x16 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
- Support for PCIe x16 2.0 compliant systems
- High resolution LCD monitor support with the dual-link DVI port

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

Key Benefits

- Stable 2D and advanced 3D graphics performance
- Faster frame rates and excellent visual quality
- 768 MB dedicated on-board graphics frame buffer memory on a 192bit bus
- Conforms to full PCI Express 2.0 specification for full height (x16 lanes native PCI Express implementation)
- Provides one VGA, one HDMI and one dual-link DVI-I output port. (HDMI port does not support audio)
- Dual-link (DL) DVI support for high resolution LCD monitor support (such as the HP LP3065 LCD monitor)
- HDCP for HD movie playback support
- NVIDIA PureVideo HD (movie decode acceleration) for HD movie playback support
- DirectX 10.0 support in hardware for optimal performance in DX10 applications
- OpenGL 2.1 support in hardware for optimal performance with OpenGL applications

Memory	Peak theoretical memory bandwidth
768 MB DDR2	24 GB/s

Compatibility

The NVIDIA GeForce GT130 768MB PCIe x16 Graphics Card is compatible with HP Compaq Business Desktops dx2390, dx2400, dx2450 and dx7500 microtower.

NOTE: Not all models are available in all regions

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).

Technical Specifications

Bus type	PCI Express (x16 lanes)
Input/Output connectors	DVI-I (DVI port supports dual-link and HDCP) VGA and HDMI
Board display options	Supports two displays through any combination of two of the three output ports.

Board configuration	Specification	Description
	Graphics Chip	NVIDIA GeForce GT130
	Core clock	550 MHz
	Memory clock	500 MHz
	Frame buffer	768MB DDR2

Maximum vertical refresh rate	85 Hz
Display support	Integrated 400 MHz RAMDAC
Display max resolution	2048 x 1536 (analog), 2560x1600 (digital)

NVIDIA GeForce GT130 768MB PCIe x16 Graphics Controller display resolutions and refresh rates

NOTE: Other resolutions may be available but are not recommended as the 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	60**

* Max HDMI resolution is 1080p
** Only supported when using a dual-link DVI connection
NOTE: 60-R denotes reduced blanking timings are used on single-link DVI connections and may be used with other digital connections

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 Home Basic 32* FreeDOS Linux® x86 and x86_64 distributions using XFree86® or X.Org** * 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 drivers are available from NVIDIA'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.
Maximum power	70W

Technical Specifications

Option kit contents	• NVIDIA GeForce GT130 768MB PCIe x16 Graphics Card • Software CD with graphics drivers • Warranty documentation
Compliance standards	<u>EMC Emissions</u>: a. CISPR22: 1997/EN 55022:1998 - Class B - Limits and methods of measurement of radio disturbance characteristics of Information Technology Equipment <u>EMC Immunity</u>: CISPR 24:1997/EN 55024:1998 - Information Technology Equipment - Immunity Characteristics - Limits and Methods of Measurement.