

Overview

NVIDIA GeForce4 MX 440 Graphics Controller

Models

NVIDIA GeForce4 MX 440/8 Graphics Controller

DC663A

Introduction

The GeForce4 MX 440/8 Graphics Controller incorporates the latest GeForce 4 MX graphics processing unit from NVIDIA: full AGP 8X compatibility, Lightspeed Memory Architecture (LMA) II and Accuvision Antialiasing deliver the most feature rich, cost effective and highly integrated GPU available today.

This cost-effective single-monitor configuration includes AGP 8X support, 64MB DDR frame buffer memory, VGA and S-video output ports. In addition, NVIDIA's nView hardware and software offer built-in attribute and performance tuning for displays such as CRTs, TVs, and flat-panel LCDs.

The GeForce4 MX440/8 is ideal for customers who need a combination of solid 2D graphics, highest quality full-frame rate video playback and superb 3D graphics applications performance. Corporate engineering departments along with small business customers in advertising, graphical arts and engineering design will find this a compelling solution for their display needs.

Performance

High performance and flexibility are generated by NVIDIA's innovative nView display technology, highly efficient Lightspeed Memory Architecture (LMA) II, and advanced Accuvision Antialiasing.

Memory	Memory Bandwidth	Triangles/Second	Fill Rate
64-MB DDR	8.0 GB/second	34 million	1.1 billion texels/second

Key Benefits

- Each graphics controller can drive up to two displays using VGA and S-Video connectors
- Effective memory bandwidth boosted by up to 300% by LMA II; fluid frame rates guaranteed for the latest 3D and 2D games, and applications
- High-resolution, high frame-rate, and full-scene antialiasing
- Full frame-rate HDTV and DVD without requiring a high-performance CPU
- AGP 8X support, allowing content developers to use high-quality 32-bit color textures and high polygon-count scenes
- Guaranteed forward- and backward-compatibility with all current and future games and applications

Compatibility

The NVIDIA GeForce4 MX 440/8 Graphics Controller is compatible with the HP Compaq Business Desktop d330 and d530 Series PCs (excluding the d530 ultra slim desktop) and the HP Business Desktop d325 microtower.

Service and Support

The NVIDIA GeForce4 MX 440/8 Graphics Controller 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. Certain restrictions and exclusions apply.

Technical Specifications

3D/2D Controller	NV18 256-bit Graphics Processing Unit (GPU)
VGA Controller	Integrated
Bus Type	AGP8X
RAMDAC	350-MHz DAC
Memory	64-MB 128-bit DDR frame buffer memory
Controller Clock Speed	250 MHz
Overlay Planes	1
Stencil Planes	8-bit
Alpha Planes	8-bit
Z-buffer	32-bit
Total Bits/Pixel	32-bits/pixel
Maximum Vertical Refresh Rate	75 Hz at 2048 x 1536
Maximum Colors	32-bit color
Multi-display Support	Includes support for one CRT and TV simultaneously (VGA and S-Video connectors)
Operating Systems	Microsoft® Windows® XP and Windows 2000
Graphics API Support	Complete Microsoft DirectX® support, including DirectX 8.1; complete OpenGL 1.3 support

Resolutions Supported	Resolution	Maximum Refresh Rate (hz)
	640 x 480	150
	800 x 600	150
	1024 x 768	150
	1280 x 1024	150
	1600 x 1200	85
	1920 x 1080	75
	1920 x 1200	75
	1920 x 1440	75

Option kit Contents Includes the following:

- NVIDIA GeForce4 MX 440/8 Graphics Controller with full height ATX braacket attached
- Software drivers
- SFF Bracket - Required to install the card in the HP business desktop d330 slimtower or d530 SFF Microtower

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