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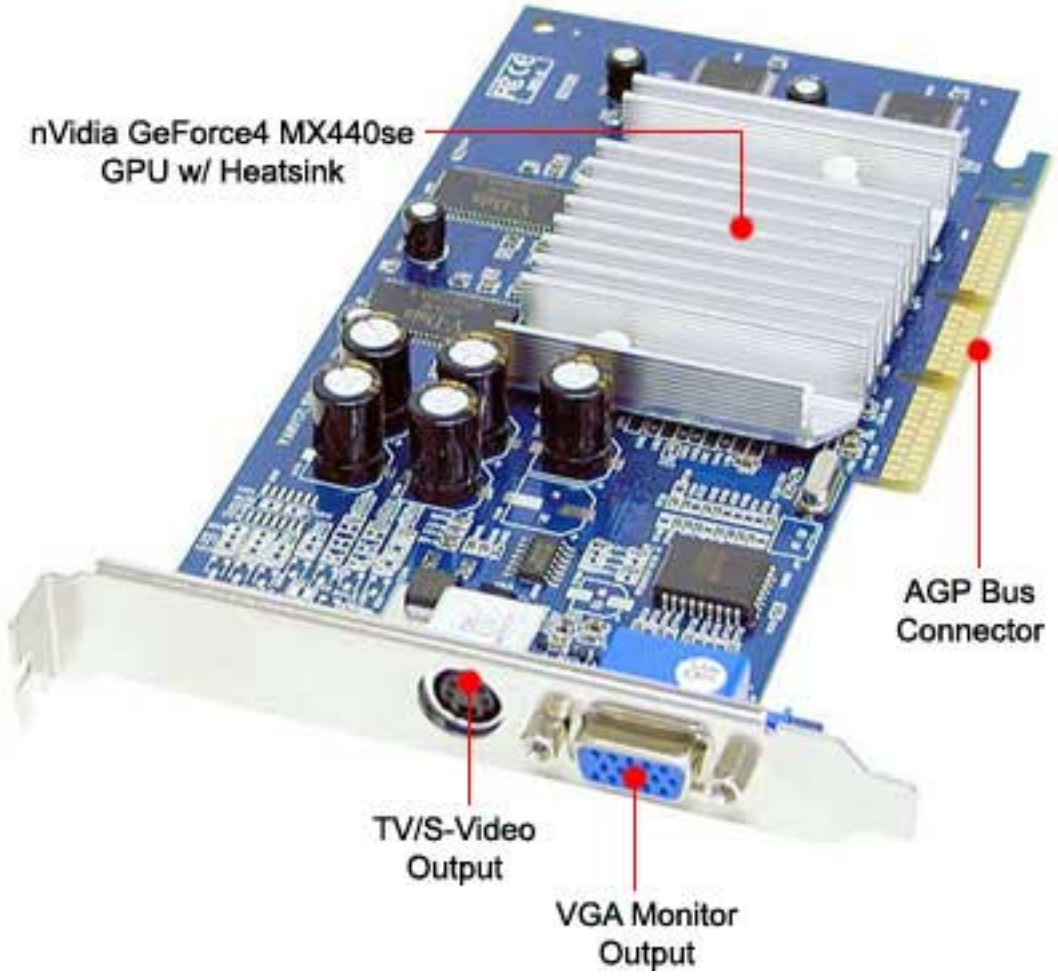
GeForce4 MX440 64MB TV-Out

Generalidades

The GeForce4™ MX graphics processing unit (GPU) brings a new level of graphics performance and flexibility to the mainstream desktop PC. By incorporating NVIDIA's innovative nView display technology, highly efficient Lightspeed Memory Architecture (LMA) II, and advanced Accuview antialiasing techniques, the GeForce4 MX GPU is the most feature-rich, cost-effective, and highly integrated GPU available for the mainstream market.



Especificaciones

Accuview Antialiasing

> The Accuview Antialiasing subsystem with advanced multisampling hardware delivers full-scene antialiased quality at performance levels never before seen.

Lightspeed Memory Architecture II

> LMA II boosts effective memory bandwidth by up to 300%. Radical new technologies—including Z-occlusion culling, fast Z-clear, and auto pre-charge—effectively multiply the memory bandwidth to ensure fluid frame rates for the latest 3D and 2D games and applications.

Unified Driver Architecture (UDA)

> Guarantees forward and backward compatibility with software drivers. Simplifies upgrading to a new NVIDIA product because all NVIDIA products work with the same driver software.

AGP 4X/2X with AGP Texturing and Fast Writes

> Takes advantage of new methods for transferring information more efficiently and allows content developers to use high-quality 32-bit color textures and high-polygon count scenes.

Highest Quality and Highest Performance Microsoft Windows XP Support

> Fully accelerates Windows XP multimedia and user interfaces, making it the ideal Windows XP graphics solution.

Video Processing Engine (VPE)

> Integrated high-definition Video Processing Engine delivers the highest quality DVD, video, and display output available in the market today. Integrated hardware MPEG2 decoder reduces CPU utilization for DVD playback to provide a longer viewing experience.

64MB 128-bit DDR Frame Buffer Memory

> Delivers up to 8.8GB per second of memory bandwidth to ensure peak performance and the smoothest frame rates. Integrated TV Encoder Supporting 1024x768 Resolution Provides best-in-class TV-out functionality.

Lossless Z-Compression

> LMA II contains a lossless form of Z-compression that delivers a 4:1 benefit. Compression is a crucial technique in saving memory bandwidth for higher performance.

MX Memory Crossbar

> Dual memory controllers allow more efficient utilization of memory bandwidth.

Integrated Dual 350MHz DACs

Integrated Dual-Channel TMDS Transmitter

> Enables two independent Digital Flat Panel (DFP) displays at resolutions up to 1280 x1024.

Quad Cache

> LMA II contains a caching system for primitives, vertices, textures and pixels. These caches are individually

dedicated and optimized for almost instant graphics pipeline access and reuse.

System Requirements

> Pentium® II/Celeron™, AMD® K6-2/Duron® or compatible

> AGP 2X or AGP 2X/4X universal slot

> 32MB of system memory

> Installation software requires CD-ROM drive

> DVD playback requires DVD drive

> Recommended
- Pentium® 4/III or AMD® Athlon®
- 128MB of system memory

Graphics controller

> NVIDIA® Geforce4 MX 440

> 256 bit graphics accelerator

Memory Configuration

> 64MB SRD SDRAM

Performance

> Graphics Core: 256-bit

> Memory Interface: 64MB

> Memory Bandwidth (GB/sec): 3.2

> Fill Rate (texels/sec.): 1.1 billion

> Triangles/sec.: 34 million

> Effective Memory Clock Rate (MHz): 333

> RAMDACs (MHz) (each have 2 RAMDAC): 350

Operating systems support

> Microsot Windows 95

> Microsot Windows 98

> Microsoft Windows 2000

> Microsoft Windows ME

> Microsoft Windows NT 4

> Microsoft Windows XP

> Linux

Monitor support

> D-shell (15-pin) VGA connector

Display support

> Register compatible with VGA

> TV out Module enabling big-screen gaming, digital timeshifting VCR, and video-editing applications

Features

> nView Display Technology

> Lightspeed Memory Architecture (LMA) II Technology
> 64MB 64-bit SDR Memory
> MX Memory Crossbar
> Integrated Dual 350MHz Dac’s
> Integrated Dual-Channel TMDS Transmitter
> Integrated TV Encoder Supporting 1024X768 Resolution
> Accuview Antialiasing
> Video Processing Engine (VPE)
> AGP 4X with AGP Texturing and Fast Writes
> Highest Quality and Highest Performance Microsoft Windows XP Support
> Unified Driver Architecture (UDA)
> Microsof DirectX Optimizations and Support
> Complete OpenGL 1.3 and OpenGL support

DRIVERS

Linux: http://www.xfxforce.com/product_view.php?sku=PVT17LDT#technicalsupport
Microsoft Windows 2000: http://download.nvidia.com/Windows/41.09/41.09_win2kxp.exe
Microsoft Windows 95: http://download.nvidia.com/Windows/41.09/41.09_win9x.exe
Microsoft Windows 98: http://download.nvidia.com/Windows/41.09/41.09_win9x.exe
Microsoft Windows ME: http://download.nvidia.com/Windows/41.09/41.09_win9x.exe
Microsoft Windows NT4: http://download.nvidia.com/Windows/41.09/41.09_winnt4.exe
Microsoft Windows XP: http://download.nvidia.com/Windows/41.09/41.09_win2kxp.exe