ComX Computers
Product Specification Sheet

LEADTEK GTX460-1024

Leadtek nVidia GeForce GTX460 - 1024MB GDDR5 OC EDITION

Product Overview

Leadtek nVidia GeForce GTX460 - 1024MB GDDR5, 256-Bit Memory Bus, PCI Express 2.0, 2x DVI, 1x Mini HDMI, HDCP Compliant Core: 725MHz / Shader: 1215MHz / Memory: 3600MHz, DirectX 11, OpenGL, nVidia CUDA & PhysX, nVidia SLI - Win Vista / 7 Certified



Specifications

Overview:

- Next generation architecture delivers incredible gaming performance at maximum resolution and quality settings.
- Revolutionary DirectX 11 technology and NVIDIA CUDA architecture bring games closer than ever to cinema-quality effects and visuals.
- GPU/Memory Clock at 725/3600 MHz
- HDCP capable
- 1024MB, 256-bit memory interface for Hi-Res /AA/AF gaming
- Support Dual Dual-Link DVI with awe-inspiring 2560x1600 resolution
- Microsoft DirectCompute Support for Windows 7
- Smoothly playback H.264, MPEG-2, VC-1 and WMV video-including WMV HD

Features:

PCI Express 2.0 Support

Designed to run perfectly with the new PCI Express 2.0 bus architecture, offering a future-proofing bridge to tomorrow's most bandwidth-hungry games and 3D applications by maximizing the 5 GT/s PCI Express 2.0 bandwidth (twice that of first generation PCI Express). PCI Express 2.0 products are fully backwards compatible with existing PCI Express motherboards for the broadest support.

NVIDIA unified architecture

Fully unified shader core dynamically allocates processing power to geometry, vertex, physics, or pixel shading operations, delivering up to 2x the gaming performance of prior generation GPUs.

High-Speed GDDR5 Memory on Board

Enhanced memory speed and capacity ensures more flowing video quality in latest gaming environment especially in large scale textures processing.

Dual Dual-Link DVI
Support hardwares with awe-inspiring 2560-by-1600 resolution, such as the 30-inch HD LCD Display, with massive load of pixels, requires a graphics cards with dual-link DVI connectivity.

Dual 400MHz RAMDACs
Blazing-fast RAMDACs support dual QXGA displayswith ultra-high, ergonomic refresh rates up to 2048x1536@85Hz.

32x Anti-aliasing Technology
Lightning fast, high-quality anti-aliasing at up to 32x sample rates obliterates jagged edges.

Microsoft DirectX 11 Shader Model 5.0 Support
DirectX 11 GPU with Shader Model 5.0 support designed for ultra high performance in the new API's key graphics feature, GPU-accelerated tessellation.

Dual-stream Hardware Acceleration
Provides ultra-smooth playback of H.264, VC-1, WMV and MPEG-2 HD and Bul-ray movies.

NVIDIA PureVideo HD technology
The combination of high-definition video decode acceleration and post-processing that delivers unprecedented picture clarity, smooth video, accurate color, and precise image scaling for movies and video.

NVIDIA 3D Vision Ready
Bringing a fully immersive stereoscopic 3D experience to the PC, 3D Vision transforms hundreds of PC games into full stereoscopic 3D., you can watch 3D movies and 3D digital photographs in eye popping, crystal-clear quality.

NVIDIA 3D Vision Surround Ready
Expand your games across three displays in full stereoscopic 3D for the ultimate "inside the game" experience with the power of NVIDIA 3D Vision and SLI technologies. NVIDIA Surround also supports triple screen gaming with non-stereo displays.

HDCP Capable
Allows playback of HD DVD, Blu-ray Disc, and other protected content at full HD resolutions with integrated High-bandwidth Digital Content Protection (HDCP) support. (Requires other compatible components that are also HDCP capable.)

OpenGL 4.0 Optimizations and Support
Full OpenGL support, including OpenGL 4.0

NVIDIA PhysX -Ready
Full support for NVIDIA PhysX technology, enabling a totally new class of physical gaming interaction for a more dynamic and realistic experience with GeForce.

NVIDIA CUDA Technology support
CUDA technology unlocks the power of the GPU's processor cores to accelerate the most demanding tasks such as video transcoding, physics simulation, ray tracing, and more, delivering incredible performance improvements over traditional CPUs.

Specifications:

GPU	NVIDIA GeForce GTX 460
Graphics Bus	PCI Express 2.0
Memory size	1024MB GDDR5
GPU/Memory clock	725/1800MHz

Memory data rate	3600MHz
Output	Dual-Link DVI x 2+HDMI
Memory Interface	256-bit
Data bandwidth(GB/sec.)	115.2
Fill Rate(billion texels/sec)	37.8
Stream process	336
RAMDACs (MHz)	400
Package contents	WinFast GTX 460 GDDR5 graphic card
	Maunal & Driver disc
	Quick installation guide
	Cable & Accessory
System Requirements	Window XP, 2000, Vista, 7
	A PCI Express or PCI Express 2.0 compliant motherboard with 2 full-height free slots
	Installation software requires DVD-ROM drive
	VGA(VGA converter needed) or DVI compatible monitor
	A Minimum 450W or greater system power supply (with 12V current rating of 24A)
Software Bundled	WinFast Graphics Driver CD (w/ WinFox III) x 1
	All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/LEADTEK-GTX460-1024-Leadtek-nVidia-GeForce-GTX460-1024MB-GDDR5-OC-EDITION-p-36010.php

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