ComX Computers
Product Specification Sheet

N670-1SDN-E5DS

INNOVISION GeForce GTX 670 2GB GDDR5 256bit Graphics Card

Product Overview

INNOVISION GeForce GTX 670 2GB GDDR5 256bit, 915MHz/6000MHz, PCI-E 3.0 x16, DP, HDMI, 2xDVI, VGA Cooler, Retail







Specifications

Overview:

Inno3D is excited to announce the launch of the Inno3D GeForce GTX 670, the world's fastest , most efficient GPU ever built. The Inno3D GeForce GTX 670 is built from the DNA of the GTX 670 and it delivers more than just the state-of-the-art features and technology. It gives you truly game-changing performance that taps into the powerful next-generation GeForce architecture to redefine smooth, seamless, lifelike gaming.

Features:

Microsoft® DirectX® 11 Support 11.1 API (feature level 11_0)
Microsoft DirectX 11.1 API (feature level 11_0) 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.

SMX

Next generation streaming multiprocessor built from the ground up for incredible performance and power efficiency.

NVIDIA GPU Boost Technology
Dynamically maximizes clock speeds based on workload of the game to push performance to new levels and bring out the best in every game.

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

NVIDIA® 3D Vision® Ready
Support for NVIDIA 3D Vision, bringing a fully immersive stereoscopic 3D experience to the PC. A combination of high-tech wireless glasses and advanced software, 3D Vision transforms hundreds of PC games into full stereoscopic 3D. In addition, you can stream 3D movies and 3D digital photographs from 3DVisionLive.com in eye popping, crystal-clear quality.

NVIDIA® 3D Vision® Surround Ready
With a single GeForce GTX 680 you can expand your PC games across three displays in full stereoscopic 3D for the ultimate "inside the game" experience. NVIDIA Surround also supports triple screen gaming with non-3D Vision monitors. Add in a fourth accessory display to get access to your email, web, or other applications while you game.

NVIDIA FXAA Technology
Shader-based anti-aliasing technology available from the NVIDIA Control Panel that enables ultra-fast anti-aliasing in hundreds of PC games.

NVIDIA TXAA Technology
Support for new temporal anti-aliasing technique that delivers the ultimate combination of image quality and performance.

NVIDIA 3-way SLI® Technology
Industry leading NVIDIA SLI technology offers amazing performance scaling in games across up to three GPUs.

NVIDIA PhysX® Technology
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 Adaptive Vertical Sync
Dynamically enables vertical sync based on your current frame rates for the smoothest gaming experience.

NVIDIA 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.

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.

PCI Express 3.0
Designed for the new PCI Express 3.0 bus architecture offering the highest data transfer speeds for the most bandwidth-hungry games and 3D applications, while maintaining backwards compatibility with existing PCI Express motherboards for the broadest support.

Dual-link DVI
Able to drive flat-panel displays up to 2560x1600 resolution over a DVI connector.

DisplayPort
Drive the latest DisplayPort panels with support for resolutions up to 2560x1600.

HDMI
Support for HDMI including GPU accelerated Blu-ray 3D support, x.v.Color, HDMI Deep Color, and 7.1 digital surround sound.

Specifications:

Product Cataegory	
Series	Inno3D
Segment	GTX (Performance)
GPU Engine Specs:	
CUDA Cores	1344
Graphics Clock-Base Clock / Boost Clock (MHz)	915 / 980
Processor Clock (MHz)	1830
Texture Fill Rate (billion/sec)	102.5
Memory Specs:	
Memory Clock (MHz)	6Gbps
Standard Memory Config (MB)	2048
Memory Interface	GDDR5
Memory Interface Width	256-bit
Memory Bandwidth (GB/sec)	192
Feature Support:	
OpenGL	4.2
Bus Support	PCI-E3.0 X16
Certified for Windows 7	Yes
Supported Technologies (3D Vision, 3D Vision Surround, CUDA, DirectX 11, PhysX, SLI)	Yes
SLI Options	3-way
Display Support:	
Multi Monitor	Yes, 3 active monitors in 3D mode + 1 montor in 2D mode
Maximum Digital Resolution (per output)	2560x1600
Maximum VGA Resolution (per output)	2048x1536
HDCP	Yes
HDMI	Yes
Standard Display Connectors	HDMI, DP, Two Dual Link DVI
InternalAudio Input for HDMI	Internal
HDMI Version	1.4a

Standard Graphics Card Dimensions:	
Length	242mm
Height	111mm
Width	Dual slot
Thermal and Power Specs:	
Maximum GPU Temperature (in C with ambient temperature 55c)	97 C
Maximum Graphics Card Power (W)	170W
Minimum System Power Requirement (W)	500W
Supplementary Power Connectors	Two 6-pin
Cooler:	
Fan Type	Blower
Number of Fan	1
Number of Heatpipe	Not Acquired
Accessories:	
Driver CD Kit	1
DVI Dongle	1
Mouse Pad	1
6-pin PCI-E Power Cable	1

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/N670-1SDN-E5DS-INNOVISION-GeForce-GTX-670-2GB-GDDR5-256bit-Graphics-Card-p-71708.php

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