



GEFORCE® GTX 680 2GB

VCGGTX680XPB

Game-Changing Innovation

The GeForce® GTX 680 delivers more than just state-of-the-art features and technology. It gives you truly gaming-changing performance that taps into the power next generation GeForce® Kepler-architecture to redefine smooth, seamless, lifelike gaming. NVIDIA GPU Boost technology that dynamically maximize clock speeds to push performance to the new levels and bring out the best in every game. Ultra-smooth gaming with exciting new NVIDIA Adaptive V-Sync technology.

PACKAGE INCLUDES

- GeForce® GTX 680 2GB graphics card
- Quick Installation Guide
- Installation DVD, which includes:
 - NVIDIA® Graphics Drivers
 - NVIDIA® GeForce® Demos
 - PhysX™ System Software
- DVI-to-VGA adapter
- 6-pin PCIe to Molex Power Adapter

KEY FEATURES

- NVIDIA® GPU Boost
- NVIDIA® Adaptive Vertical Sync
- NVIDIA® Surround™ Technology*
- Support for four concurrent displays including:***
 - Two Dual-Link DVI
 - HDMI® 1.4a
 - DisplayPort 1.2
- Microsoft® DirectX® 11 with DirectCompute 5.0
- NVIDIA® PhysX® technology
- NVIDIA® 3D Vision®-Ready
- NVIDIA® CUDA® technology
- PCI Express 3.0 support
- OpenGL 4.3 support
- OpenCL™ support

REQUIREMENTS

- PCI Express compliant motherboard with one dual-width x16 graphics slot
- Two 6-pin PCI Express supplementary power connectors
- Minimum 550W or greater system power supply (with a minimum 12V current rating of 38A)
- 300 MB of available hard-disk space 2GB system memory (2GB or higher recommended)
- Microsoft Windows 7, Windows Vista, or Windows XP Operating System (32 or 64-bit)
- DVD-ROM drive or Internet connection for installation
- DVI, HDMI, DisplayPort or VGA compatible monitor

PRODUCT SPECIFICATIONS

	GPU	GeForce® GTX 680
	CUDA Cores	1536
	Core Speed	1006 MHz
	Boost Speed	1058 MHz
	Memory Size	2048 MB GDDR5
	Memory Interface	256 bit
	Memory Frequency	6.0 Gbps
	TDP	195W-Active
	SLI	3-Way SLI
	Multi-Screen	4 Concurrent Screens*** NVIDIA 3D Surround**
	Outputs	DVI-I, DVI-D, HDMI® 1.4a, DisplayPort 1.2
	Resolution	2560×1600 (Digital)
	Power Input	2× 6-pin PCI-E Power
	Bus Type	PCI-Express 3.0 16x
	UPC	751492533636
	Card Dimensions	10"× 4.376" Dual-Slot
	Box Dimensions & Weight	12.5"× 6.25"× 2.5", 2.5 lbs.

* NVIDIA® 3D SURROUND requires additional hardware, please see www.NVIDIA.com/get3D for detail information

** PNY One-Year warranty will be extended to Lifetime of the original purchaser upon completion of product registration. Product must be registered on PNY's website www.pny.com within 90 days of purchase. Features and specifications subject to change without notice.

*** 3- or 4-Screen Support only in Windows 8, Windows 7 and Windows Vista. Windows XP or earlier version will only support dual monitors.

