

PNY

Make Life Simple™

GEFORCE® GTX 680

PNY Part # VCGGTX680XPB-CG

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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.

Specifications

GPU:	GeForce® GTX 680
CUDA Cores:	1536
Core Speed:	1006 MHz
Boost Speed:	1058 MHz
Memory Size:	2048 MB GDDR5
Mem. Interface:	256 bit
Mem. 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 x 1600 (Digital)
Power Input:	2x 6 pin PCI-E Power
Bus Type:	PCI-Express 3.0 16x
UPC:	751492534763

Key Features

NVIDIA® GPU Boost
 NVIDIA® Adaptive Vertical Sync
 NVIDIA® Surround™
 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
 3-way NVIDIA® SLI®-Ready
 NVIDIA® CUDA® technology
 PCI Express 3.0 support
 OpenGL 4.2 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)³
- 300 MB of available hard-disk space
- 2GB system memory (4GB 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



Card Dimensions

10" x 4.376" Dual-Slot

Box Dimensions

12.5" x 6.25" x 2.5"

Weight: 2.5 lbs.

Box Contents

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



*NVIDIA® 3D SURROUND requires additional hardware, please see <http://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 <http://www.pny.com> within 90 days of purchase. Features and specifications subject to change without notice.

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