



GEFORCE® GTX 650 1GB

VCGGTX6501XPB

Step Up to the Next-Gen PC gaming at a remarkable price

Take your passion for PC gaming to the next level by stepping up to the industry's leading family of gaming graphics with the GeForce® GTX 650. Play your favorite FPS and MMO games with full DirectX 11 support that blows away your old DirectX 10 card's performance by up to 6x. Plus, you can count on the GTX 650's revolutionary next-gen NVIDIA® Kepler™ architecture for stunning graphics, rock solid performance and 1080p HD brilliance in the hottest titles—at a remarkable price.

PACKAGE INCLUDES

- GeForce® GTX 650 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
- Mini-HDMI to HDMI Adapter

KEY FEATURES

- NVIDIA® Adaptive Vertical Sync
- NVIDIA® Surround™ Technology*
- Support for three concurrent displays including:***
 - Two dual-link DVI
 - Mini-HDMI®
- 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
- One 6-pin PCI Express supplementary power connectors
- Minimum 400W or greater system power supply (with a minimum 12V current rating of 20A)
- 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, Mini-HDMI or VGA compatible monitor

PRODUCT SPECIFICATIONS

GPU	GeForce® GTX 650
CUDA Cores	384
Core Speed	1058 MHz
Boost Speed	Not Supported
Memory Size	1024 MB GDDR5
Memory Interface	128 bit
Memory Frequency	5000 MHz
TDP	64W Active
SLI	Not Supported
Multi-Screen	3 Concurrent Screens*** NVIDIA Surround*
Outputs	DVI-I, DVI-D, Mini-HDMI®
Resolution	2560×1600 (Digital)
Power Input	1× 6-pin PCI-E Power
Bus Type	PCI-Express 3.0 16x
UPC	751492555102
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.

