PNY®
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GEFORCE® GTX 650 1GB

XLR8 PERFORMANCE EDITION

PNY Part # VCGGTX6501XPB

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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.

Specifications

GPU:	GeForce® GTX 650
CUDA Cores:	384
Core Speed:	1058 MHz
Boost Speed:	Not Supported
Memory Size:	1024 MB GDDR5
Mem. Interface:	128 bit
Mem. 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 x 1600 (Digital)
Power Input:	1x 6 pin PCI-E Power
Bus Type:	PCI-Express 3.0 16x
UPC:	751492555102

Key Features

NVIDIA® Adaptive Vertical Sync
NVIDIA® Surround™
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 4.2 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

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 650 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**
- **Mini-HDMI to HDMI Adapter**

NVIDIA® Surround | DirectX 11 | PhysX™ by NVIDIA | TXAA Anti-Aliasing | Adaptive V-Sync | PNY Lifetime Warranty**

*NVIDIA® 3D Vision® 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.

GEAR UP. GAME ON.

NVIDIA GEFORCE GTX