



If you're passionate about first-person shooters like Call of Duty, massively multiplayer online games like World of Warcraft, or real-time strategy games like StarCraft II, GeForce® GTX is for you. And your first step into GeForce® GTX gaming is the EVGA GeForce® GTX 650.

Play your favorite games with full DirectX® 11 support that blows away your old DirectX® 10 card's performance by up to 8x\*. Plus, count on the EVGA GeForce® GTX 650's revolutionary next-gen NVIDIA® Kepler™ architecture for stunning graphics, 1080p HD brilliance, and rock-solid performance that will make your console-loving friends envious.

\*Performance improvement measured versus GeForce 9500 GT.

## SPECIFICATIONS

- Core Clock: 1202 MHz
- Memory Clock: 5000 MHz Effective
- CUDA Cores: 384
- Bus Type: PCI-E 3.0
- Memory Detail: 1024MB GDDR5
- Memory Bit Width: 128 Bit
- Memory Speed: 0.4ns
- Memory Bandwidth: 80 GB/s
- Texture Fill Rate: 38.4 GT/s

## KEY FEATURES

- NVIDIA SMX Engine
- NVIDIA® Kepler™ GPU Architecture
- NVIDIA Adaptive Vertical Sync
- NVIDIA Surround® Technology
- Support for three concurrent displays; two dual-link DVI connectors and Mini-HDMI\*\*
- Microsoft® DirectX® 11
- NVIDIA PhysX® Technology
- NVIDIA 3D Vision®-Ready\*\*\*
- NVIDIA CUDA® Technology
- PCI Express® 3.0 Support
- OpenGL 4.2 Support

## REQUIREMENTS

- 400 watt or greater power supply with a minimum of 20 amps on the +12 volt rail.\*\*\*\*
- PCI Express®, PCI Express® 2.0 or PCI Express® 3.0 compliant motherboard with one graphics slot.
- One 6-pin PCI Express® power connector or two available hard disk power connectors.
- Microsoft® Windows 7 / Vista / XP



### EVGA Precision X -

Designed from the ground up to support new GPU technology, EVGA Precision X redefines what overclocking software should be. [www.evga.com/precision](http://www.evga.com/precision)



### 24/7 Technical Support -

EVGA is here for you day or night to help answer any questions!  
[www.evga.com/support](http://www.evga.com/support)



### EVGA OC Scanner X -

Featuring a brand new look and layout, this popular application has been adapted to show all of the latest GeForce vitals. [www.evga.com/ocscanner](http://www.evga.com/ocscanner)



### EVGA GAMING -

If you live to game, this is the place for you! We have the best tournaments, prizes and game servers.  
[www.evga.com/gaming](http://www.evga.com/gaming)



### MODS RIGS -

\$1k Sponsorships for every 200 posts. Come show off your rig and join in on one of the biggest things happening at EVGA. [www.evga.com/community/modsrigs](http://www.evga.com/community/modsrigs)



### EVGA SoNet -

Follow EVGA on your favorite Social Networking sites like Facebook, Twitter, Steam, and the EVGA Gaming Community. [www.evga.com/sonet](http://www.evga.com/sonet)

\*DVI-D = Digital Only  
Please do not connect to "DVI to VGA" adapter.

\*\*Support for HDMI includes GPU-accelerated Blu-ray 3D support (Blu-ray 3D playback requires the purchase of a compatible software player from CyberLink, ArcSoft or Corel), x.v.Color, HDMI Deep Color, and 7.1 digital surround sound. Upgrade your GPU to full 3D capability with NVIDIA 3DTV Play™ software, enabling 3D gaming, picture viewing, and 3D web video streaming. See [www.nvidia.com/3dtv](http://www.nvidia.com/3dtv) for more details.

\*\*\*NVIDIA 3D Vision requires 3D Vision glasses and 3D Vision-ready displays. See [www.nvidia.com/get3d](http://www.nvidia.com/get3d) for more information.

\*\*\*\*Minimum system power requirement based on a PC configured with an Intel Core i7 3.2GHz processor.

## DIMENSIONS/WEIGHT

- Height: 4.376in - 111.15mm
- Length: 6in - 152.4mm
- Weight: 3lbs

## ACCESSORIES

- EVGA Driver/Software Disc
- (1) DVI to VGA Adapter (For DVI-I)
- EVGA Accessory Pack
- User Guide



## PRODUCT WARRANTY

This product is covered under EVGA's 3 year warranty which covers parts and labor. Further warranty extension is available upon registration within 30 days of purchase. For more details please visit [www.evga.com/warranty](http://www.evga.com/warranty)

