# Specifications GeForce GT 635M

Note: The below specifications represent this GPU as incorporated into NVIDIA's reference graphics card design. Graphics card specifications may vary by OEM. Please refer to the OEM website for actual shipping specifications.

| **GPU Engine Specs:** | |
|---|---|
| CUDA Cores | Up to 144 |
| Graphics Clock (MHz) | Up to 675 MHz |
| Texture Fill Rate (billion/sec) | Up to 16.2 |
| **Memory Specs:** | |
| Memory Interface | DDR3 |
| Memory Interface Width | Up to 192bit |
| Memory Bandwidth (GB/sec) | Up to 43.2 |
| **Feature Support:** | |
| OpenGL | 4.1 |
| Bus Support | PCI Express 2.0 |
| Certified for Windows 7 | Yes |
| Supported Technologies | 3D Vision, DirectX 11, CUDA, PhysX, Optimus, OpenCL, DirectCompute |
| **Display Support:** | |
| Maximum Digital Resolution | Up to 2560x1600 |
| Maximum VGA Resolution | Up to 2048x1536 |
| HDCP | Yes |
| HDMI | Yes |
| **3D Vision Ready:** | |
| 3D Blu-Ray | Yes |

# Features

**NVIDIA® Optimus™ technology**[1]
Automatically transitions between NVIDIA graphics and Intel Integrated Graphics, seamlessly and in the background, to give you great performance and great battery life – whether you're watching a movie, surfing the web, or playing a 3D game.

**Microsoft DirectX 11 Support**
DirectX 11 GPU with Shader Model 5.0 support designed for ultra high performance in the new API's key graphics feature, GPU-accelerated tessellation.

**NVIDIA® GeForce Drivers**
Unlock the full power and capability of your GeForce GPU. NVIDIA GeForce Drivers deliver continuous performance optimizations for the life of your notebook.

**NVIDIA® PhysX® Technology**
Full support for NVIDIA PhysX technology, enabling a totally new class of physical gaming interaction for a more dynamic and realistic experience with GeForce.

**NVIDIA® CUDA™ Technology**[2]
NVIDIA CUDA technology unlocks the power of the GPU's processor cores to accelerate the most

demanding system tasks – such as photo editing – delivering incredible performance improvements over traditional CPUs.

**Hardware Video Decode Acceleration**[3]
The combination of high-definition video decode acceleration and post-processing that delivers stutter-free video, stunning picture clarity, accurate color, and precise image scaling for movies and video all with incredible energy efficiency

**NVIDIA® 3D Vision™ Ready**[4]
NVIDIA® GeForce® GPUs brings a fully immersive stereoscopic 3D experience to notebooks. A combination of high-tech wireless glasses and advanced software, NVIDIA® 3D Vision™ transforms hundreds of PC games into full stereoscopic 3D. In addition, you can watch Blu Ray 3D, streaming 3D online, and 3D digital photographs in eye popping, crystal-clear quality.

**NVIDIA® 3DTV Play™ and HDMI Support**[5]
Support for HDMI output enables sending both high-definition video and audio signals to an HDTV via a single cable. Connect your laptop to any 3D enabled TV with NVIDIA 3D TV Play and stream all your 3D content onto the big screen, including Blu-Ray, 3D photos, even your games!

**PCI Express 2.0 Support**
Designed for the PCI Express 2.0 bus architecture offering the highest data transfer speeds for the most bandwidth-hungry games and 3d applications, while maintaining backwards compatibility with existing PCI Express motherboards for the broadest support.

**Dual-link DVI Support**
Able to drive industry's largest and highest resolution flat-panel displays up to 2560x1600 and with support for High-bandwidth Digital Content Protection (HDCP).