NVIDIA® GEFORCE® GT 640
Step up to great PC graphics.

NVIDIA.

Every PC deserves great graphics. The NVIDIA® GeForce® GT 640 graphics card taps into the powerful next-generation GeForce architecture to deliver premium multimedia performance and reliable gaming—every time.

"Sixty percent of integrated graphics owners want dedicated graphics in their next PC[1]."

Deliver more performance—and fun— with amazing HD video, photo, web, and gaming.
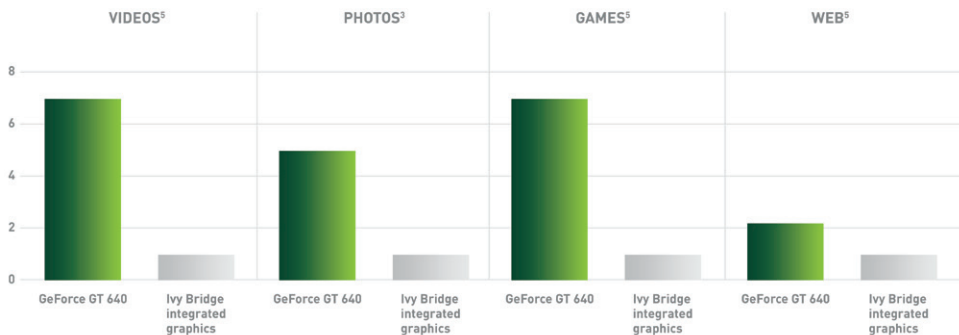
Accelerate performance by up to 7x over today's integrated graphics solutions[2] and provide additional dedicated memory.

Drive up to four HD displays (up to three with NVIDIA Surround™ technology) or connect to a 3D-enabled TV.

GEFORCE GT 640
TECHNICAL SPECIFICATIONS

CUDA CORES
> 384

GRAPHICS CLOCK
> 900 MHz

PROCESSOR CLOCK
> 891 MHz

MEMORY INTERFACE
> 128 Bit

FRAME BUFFER
> 2048 MB DDR3

MICROSOFT DIRECTX
> 11

MICROSOFT DIRECTCOMPUTE
> Yes

BLU-RAY 3D[4]
> Yes

TRUEHD AND DTS-HD AUDIO BITSTREAMING
> Yes

NVIDIA PHYSX™-READY
> Yes

MAX. ANALOG / DIGITAL RESOLUTION
> 2048x1536 (analog) / 3840x2160 (digital)

DISPLAY CONNECTORS
> Dual Link DVI-I, Dual Link DVI-D, Mini HDMI

BEST-IN-CLASS PERFORMANCE

	VIDEOS[5]	PHOTOS[3]	GAMES[5]	WEB[5]
GeForce GT 640	~7	~5	~7	~2
Ivy Bridge integrated graphics	~1	~1	~1	~1

NVIDIA® GEFORCE® GT 640

Features	Benefits
SMX ARCHITECTURE	Next generation streaming multiprocessor built from the ground up for incredible performance and power efficiency.
HD VIDEOS	Get stunning picture clarity, smooth video, accurate color, and precise image scaling for movies and video with NVIDIA PureVideo® HD technology.
WEB ACCELERATION	Enjoy a 2x faster web experience with the latest generation of GPU-accelerated web browsers (Internet Explorer, Google Chrome, and Firefox)[5].
PHOTO EDITING	Perfect and share your photos in half the time with popular apps like Adobe® Photoshop® and Nik Silver EFX Pro 2[5].
VIDEO EDITING	Create your HD video masterpiece up to 7x faster with GPU-accelerated software like vReveal[5].
MULTI-MONITOR SUPPORT	Simultaneously drive up to four independent 1080p displays for the ultimate multimedia or productivity workspace and expand a single application across all three displays for an immersive viewing perspective with NVIDIA Surround™ technology.
NVIDIA GEFORCE DRIVERS	Experience world-class driver quality and features trusted by the most channel partners for the best stability, application compatibility, and overall lower total cost of ownership.
DEDICATED GRAPHICS MEMORY	Get 2 GB of dedicated graphics memory to ensure that the PC can respond quickly—even when multitasking—without stealing valuable system memory like integrated graphics solutions do.
HOME THEATER PCS	Connect your PC to any 3D-enabled TV and enjoy a cinematic Blu-ray 3D experience in your home—including rich, theatre-quality HD audio[4].
DIRECTX 11	Your entry GeForce solution for DirectX 11, built from the ground up for Microsoft's newest graphics technology introduced with Windows 7.
GAMES	Experience the power of NVIDIA GeForce GT 640 dedicated graphics with up to 7x faster performance in games[4].

Product Segment	GeForce Dedicated Graphics	Replaces Competitive Product
NVIDIA GEFORCE GT	GeForce GT 640	Radeon HD 6670
	GeForce GT 630	Radeon HD 6570
	GeForce GT 620	Radeon HD 6450
	GeForce GT 610	Radeon HD 6450
NVIDIA GEFORCE	GeForce 210	Radeon HD 5450

DRIVER/OS SUPPORT

> Windows 7 32-bit, Windows 7 64-bit
> Windows Vista 32-bit, Windows Vista 64-bit
> Windows XP 32-bit
> Windows XP Professional 64-bit
> Windows Server 2003 64-bit
> Linux 32-bit, Linux 64-bit

Contact <distributor name> for attractive pricing on GeForce GT 640 GPUs from NVIDIA Authorized Board Partners.
For more information go to **www.nvidia.com**