

# NVIDIA GEFORCE DESKTOP GRAPHICS PROCESSORS QUICK GUIDE



Graphics Processing Unit (GPU)	Ideal for	Featured Technologies							Features at a Glance							Performance		Software
		CUDA	PhysX™	NVIDIA SLI®	3D Vision™	PureVideo HD®	Multi-Display Option	DirectX	Unified Architecture	Processing Cores	Certified for Windows® Vista™	Lumenex Engine	Maximum Analog Resolution	Maximum Digital Resolution	Standard Memory Configuration	Maximum Memory Bandwidth (per second)	Texture Fill Rate (per second)	Driver/OS Support
GeForce GTX 295	<b>ENTHUSIAST</b> Extreme Gamer Power User Multimedia Enthusiast	✓	✓	Quad SLI	✓	✓	✓	10	✓	480	✓	✓	2048x1536	2560x1600	1.8GB	223.8GB	92.2 billion	GeForce Unified Driver Architecture - Windows Vista x86 - Windows Vista x64 - Windows XP - Windows XP Professional x64 - Windows Server 2003 x64 - Linux 32-bit - Linux 64-bit - FreeBSD 32-bit - FreeBSD 64-bit
GeForce GTX 285		✓	✓	3-way	✓	✓	✓	10	✓	240	✓	✓	2048x1536	2560x1600	1GB	159.0GB	51.8 billion	
GeForce GTX 275		✓	✓	3-way	✓	✓	✓	10	✓	240	✓	✓	2048x1536	2560x1600	896MB	159.0GB	50.6 billion	
GeForce GTX 260 (216 Core)		✓	✓	3-way	✓	✓	✓	10	✓	216	✓	✓	2048x1536	2560x1600	896MB	111.9GB	41.5 billion	
GeForce GTS 250	<b>PERFORMANCE</b> Gamer Multimedia User Casual Gamer	✓	✓	3-way	✓	✓	✓	10	✓	128	✓	✓	2048x1536	2560x1600	512MB/1GB	70.4GB	47.2 billion	
GeForce 9800 GT		✓	✓	✓	✓	✓	✓	10	✓	112	✓	✓	2048x1536	2560x1600	512MB	57.6GB	33.6 billion	
GeForce 9600 GT		✓	✓	✓	✓	✓	✓	10	✓	64	✓	✓	2048x1536	2560x1600	512MB	57.6GB	20.8 billion	
GeForce 9600 GSO 512		✓	✓	✓		✓	✓	10	✓	64	✓	✓	2048x1536	2560x1600	512MB	57.6GB	15.6 billion	
GeForce 9500 GT GDDR3	<b>MAINSTREAM</b> Business User Casual Gamer Home PC User	✓	✓	✓		✓	✓	10	✓	32	✓	✓	2048x1536	2560x1600	256/512MB	25.6GB	8.8 billion	
GeForce 9500 GT DDR2		✓	✓	✓		✓	✓	10	✓	32	✓	✓	2048x1536	2560x1600	512MB	16.0GB	8.8 billion	
GeForce 9400 GT		✓				✓	✓	10	✓	16	✓	✓	2048x1536	2560x1600	512MB	12.8GB	4.4 billion	
GeForce 8400 GS		✓				✓	✓	10	✓	8	✓	✓	2048x1536	1920x1200	256MB	6.4GB	3.6 billion	

1 Varies by Add-in-Card partner (Pure Video HD column)

# NVIDIA GEFORCE FAMILY

## NVIDIA CROSS-SELLING MATRIX

Segment	NVIDIA Solution	SLI-Ready	Certified for Windows® Vista™
<b>ENTHUSIAST</b> Extreme Gamer Power User Multimedia Enthusiast	GeForce GTX 295	Quad SLI	✓
	GeForce GTX 285	3-way	✓
	GeForce GTX 260	3-way	✓
<b>PERFORMANCE</b> Gamer Multimedia User Casual Gamer	GeForce GTS 250	3-way	✓
	GeForce 9800 GT	✓	✓
	GeForce 9600 GT	✓	✓
	GeForce 9600 GSO	✓	✓
<b>MAINSTREAM</b> Business User Casual Gamer Home PC User	GeForce 9500 GT GDDR3	✓	✓
	GeForce 9500 GT DDR2	✓	✓
	GeForce 9400 GT		✓
	GeForce 8400 GS		✓

1. Graphics cards based on these GeForce GPUs qualify for the Premium Device logo called "Certified for Windows Vista". However, depending on the shipping memory configuration, these graphics cards may not qualify for the Windows Vista Premium System Logo.

### WHY NVIDIA GEFORCE?

- > GeForce is the **most stable, reliable, and recognized** brand in graphics technology, and is the leading GPU of choice for both corporate and consumer computer users.
- > GeForce® GPUs with CUDA™ technology deliver Graphics Plus™. Experience world-class graphics on today's hottest games, bring your games to life with GPU accelerated NVIDIA PhysX™ gaming effects, immerse yourself in Stereoscopic 3D game play, transcode your videos up to 20x faster for your portable devices and edit digital images faster and smoother.
- > GeForce GPUs are backed by the **NVIDIA® GeForce® unified driver architecture**, ensuring the best out-of-box experience for every user. GeForce drivers deliver industry-leading graphics features; one driver for all products and continual performance and feature updates over the life of the product.
- > GeForce is a **top-to-bottom solution**, delivering GPUs for every user and every budget. From the PC gamer who craves the best graphic performance to the mainstream digital media user, GeForce GPUs provide the perfect solution.
- > NVIDIA invents and delivers industry-shaping technologies that revolutionize the end-user experience. The latest innovations include an NVIDIA unified architecture as well as NVIDIA SLI® and NVIDIA® PureVideo® HD technologies.

For more information on NVIDIA and NVIDIA GeForce products, visit [www.nvidia.co.uk](http://www.nvidia.co.uk)

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