



Quick Guide to NVIDIA GeForce Desktop Graphics Processors

			POWER OF 3			FEATURES AT A GLANCE											PERFORMANCE		SOFTWARE		
	Graphics Processing Unit (GPU)	Ideal for	NVIDIA SLI	DirectX	High Dynamic-Range Lighting	Unified Architecture	Superscalar Architecture	PureVideo	Multi-Display Option	Certified for Windows® Vista™	TurboCache (TC)	LumenX Engine	Quantum Effects	Intellisample	CineFX Engine	Maximum Analog Resolution	Maximum Digital Resolution	Standard Memory Configuration	Maximum Memory Bandwidth (per second)	Texture Fill Rate (per second)	Driver/OS Support
PCI Express	GeForce 9800 GX2	Enthusiast Extreme Gamer, Power User, Multimedia Enthusiast	✓	10	128-bit	✓		HD	✓	✓		✓	✓			2048x1536	2560x1600	1GB	128.0GB	76.8 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 9800 GTX		✓	10	128-bit	✓		HD	✓	✓		✓	✓			2048x1536	2560x1600	512MB	70.4GB	43.2 billion	
	GeForce 8800 GTS		✓	10	128-bit	✓		HD	✓	✓		✓	✓			2048x1536	2560x1600	512MB	62.1GB	41.6 billion	
	GeForce 8800 GT	Performance Gamer, Multimedia User, Casual Gamer	✓	10	128-bit	✓		HD	✓	✓		✓	✓			2048x1536	2560x1600	512MB	57.6GB	33.6 billion	
	GeForce 9600 GT		✓	10	128-bit	✓		HD	✓	✓		✓	✓			2048x1536	2560x1600	512MB	57.6GB	20.8 billion	
	GeForce 8600 GTS		✓	10	128-bit	✓		HD	✓	✓	✓	✓	✓			2048x1536	2560x1600	256MB	32.0GB	10.8 billion	
	GeForce 8600 GT		✓	10	128-bit	✓		HD ²	✓	✓	✓	✓	✓			2048x1536	2560x1600	256MB	22.4GB	8.64 billion	
	GeForce 7600 GT		✓	9	64-bit		✓	HD ²	✓	✓				4.0	4.0	2048x1536	2560x1600	256MB	22.4GB	6.7 billion	
	GeForce 7600 GS		✓	9	64-bit		✓	✓	✓	✓				4.0	4.0	2048x1536	2560x1600	256MB	12.8GB	4.8 billion	
	GeForce 8500 GT		✓	10	128-bit	✓		HD ²	✓	✓	✓	✓	✓			2048x1536	2560x1600	256MB	12.8GB	3.6 billion	
	GeForce 8400 GS	Mainstream Business User, Casual Gamer, Home PC User		10	64-bit	✓		HD ²	✓	✓	✓	✓	✓			2048x1536	1920x1200	256MB	6.4GB	3.6 billion	
	GeForce 7300 GS		✓	9	64-bit		✓	✓	✓	✓	✓			4.0 ⁴	4.0	2048x1536	1920x1200	256MB	14.5GB ⁵	2.2 billion	
	GeForce 7300 LE		✓	9	64-bit		✓	✓	✓	✓	✓			4.0 ⁴	4.0	2048x1536	1920x1200	256MB	13.3GB ⁵	1.8 billion	
	GeForce 7200 GS			9	64-bit		✓	✓	✓	✓	✓			4.0 ⁴	4.0	2048x1536	1920x1200	256MB	13.3GB ⁵	0.9 billion	
	GeForce 7100 GS		✓ ¹	9			✓	✓	✓	✓	✓			4.0 ⁴	4.0	2048x1536	1920x1200	256MB	13.3GB ⁵	1.4 billion	
	GeForce 6200 TC/LE	Value Business User, Value PC Buyer		9			✓	✓	✓	✓ ³	✓			3.0 ⁴	3.0	2048x1536	1920x1200	256MB	13.3GB ⁵	1.4 billion	
AGP 8x	GeForce 7800 GS	Performance Gamer, Multimedia User, Casual Gamer		9	64-bit		✓	✓	✓	✓				4.0	4.0	2048x1536	1920x1200	256MB	38.4GB	6.0 billion	
	GeForce 7600 GT			9	64-bit		✓	HD ²	✓	✓				4.0	4.0	2048x1536	2560x1600	256MB	22.4GB	6.7 billion	
	GeForce 7600 GS			9	64-bit		✓	✓	✓	✓				4.0	4.0	2048x1536	1920x1200	256MB	12.8GB	4.8 billion	
	GeForce 6200	Mainstream Business User, Home PC User		9			✓		✓	✓ ³				3.0 ⁴	3.0	2048x1536	1920x1200	256MB	4.0GB	1.4 billion	
	GeForce FX 5500	Value Business User, Value PC Buyer		9					✓	✓ ³				1.0	2048x1536	1600x1200	256MB	6.4GB	1.1 billion		
	GeForce FX 5200			9					✓	✓ ³				1.0	2048x1536	1600x1200	256MB	6.4GB	1.0 billion		

1 Requires GeForce 91.47 drivers and 128 MB of on-board memory

2 Varies by Add-in-Card partner

3 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.

4 GeForce 7300 GS, 7300 LE, 7200 GS, 7100 GS, 6200 TC/LE, and 6200 models do not include compression technology.

5 NVIDIA® TurboCache™ technology shares the resources of dedicated video memory and dynamically available system memory for turbocharged performance and larger total graphics memory.



NVIDIA GeForce Family

Features and Benefits of NVIDIA GeForce

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 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.



NVIDIA Cross-Selling Matrix

		NVIDIA SOLUTION		REPLACES ATI BOARD
SEGMENT		SLI-READY	Certified for Windows® Vista™	
PCI Express	Enthusiast Extreme Gamer, Power User, Multimedia Enthusiast	GeForce 9800 GX2	✓	Radeon HD 3870 X2
		GeForce 9800 GTX	✓	
		GeForce 8800 Ultra	✓	
		GeForce 8800 GTX	✓	
		GeForce 8800 GTS	✓	
	Performance Gamer, Multimedia User, Casual Gamer	GeForce 8800 GT	✓	Radeon HD 3870
		GeForce 9600 GT	✓	Radeon HD 3850
		GeForce 8600 GTS	✓	Radeon HD 2600 XT GDDR4
		GeForce 8600 GT	✓	Radeon HD 2600 XT GDDR3
		GeForce 8600 GT DDR2	✓	AMD 2600 Pro
		GeForce 7600 GT	✓	Radeon X1650 XT
		GeForce 7600 GS	✓	Radeon X1650 Pro
	Mainstream Business User, Casual Gamer, Home PC User	GeForce 8500 GT	✓	Radeon HD 3470
		GeForce 8400 GS	✓	Radeon HD 3450
		GeForce 7300 GS	✓	Radeon X1550
		GeForce 7300 LE	✓	Radeon X1550
		GeForce 7200 GS	✓	Radeon X1050
		GeForce 7100 GS	✓ ¹	Radeon X1050
	Value Business User, Value PC Buyer	GeForce 6200 TC/LE	✓ ²	Radeon X300 SE/HM
AGP 8x	Performance Gamer, Multimedia User, Casual Gamer	GeForce 7800 GS	✓	
		GeForce 7600 GT	✓	Radeon X1650 XT
		GeForce 7600 GS	✓	Radeon X1600 Pro
	Mainstream Business User, Home PC User	GeForce 7300 GT		Radeon X1600 Pro
		GeForce 6200	✓ ²	Radeon 9600
	Value Business User, Value PC Buyer	GeForce FX 5500	✓ ²	Radeon 9550
		GeForce FX 5200	✓ ²	Radeon 9550 / 9250

¹ Requires GeForce Release 91.47 drivers and 128MB of on-board memory

² 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.

For more information on NVIDIA and NVIDIA GeForce products, visit www.nvidia.com

