

THE RIGHT TOOLS FOR  
PROFESSIONALS  
NVIDIA WORKSTATION GPU<sub>s</sub>



**NVIDIA**

**1 START HERE**

**2 ASK**

- Do you work in a technical profession such as design, engineer, architect, scientist or research?
- Do you create or visualize data and images for your work?

What industry or job?

YES

**3**

NO

Financial Services, Digital Signage, Education, Insurance, Any Commercial Environments, Government Agencies, Hospitals, Call Centers  
**GO** [www.nvidia.com/nvs](http://www.nvidia.com/nvs)

**DESIGN / ENGINEERING/MANUFACTURING**

**ASK : Which Primary APP do you use?**

**RECOMMENDED NVIDIA PROFESSIONAL SOLUTION**

**GOOD**

- > Occasional use of application
- > Small objects and assemblies
- > About 10% of the users

**BETTER**

- > Regular use of application
- > Average to large objects and assemblies
- > Using all application features
- > About 80% of the users

**BEST/MAXIMUS**

- > Pushing the application to its limits
- > Extremely large objects and assemblies
- > Using all application features
- > About 10% of the users

**APPLICATION**

APPLICATION	GOOD > Occasional use of application > Small objects and assemblies > About 10% of the users	BETTER > Regular use of application > Average to large objects and assemblies > Using all application features > About 80% of the users	BEST/MAXIMUS > Pushing the application to its limits > Extremely large objects and assemblies > Using all application features > About 10% of the users
<b>Altair® HyperWorks®</b>	NVIDIA® Quadro® 2000	Quadro 4000	Quadro 5000
<b>ANSYS Mechanical™</b>	<b>NVIDIA Maximus™</b> (Quadro 2000 + Tesla C2075)	<b>Maximus</b> (Quadro 5000 + Tesla C2075)	<b>Maximus</b> (Quadro 6000 + Tesla C2075)
<b>ANSYS Fluent®</b>	<b>Maximus</b> (Quadro 2000 + Tesla C2075)	<b>Maximus</b> (Quadro 5000 + Tesla C2075)	<b>Maximus</b> (Quadro 6000 + Tesla C2075)
<b>Autodesk® AutoCAD®</b>	Quadro 400	Quadro 600	Quadro 2000
<b>Autodesk Inventor®</b>	Quadro 2000	Quadro 4000	Quadro 5000
<b>Autodesk MoldFlow®</b>	Quadro 5000	Quadro 5000	Quadro 6000
<b>Autodesk Mudbox™</b>	Quadro 4000	Quadro 5000	Quadro 6000
<b>Autodesk Revit®</b>	Quadro 600	Quadro 2000	Quadro 4000
<b>Autodesk Showcase™</b>	Quadro 4000	Quadro 5000	Quadro 6000
<b>Autodesk Inventor + 3ds Max®</b>	<b>Maximus</b> (Quadro 4000 + Tesla C2075)	<b>Maximus</b> (Quadro 6000 + Tesla C2075)	<b>Maximus</b> (Quadro 6000 + 2 x Tesla C2075)
<b>Autodesk Revit + 3ds Max</b>	<b>Maximus</b> (Quadro 4000 + Tesla C2075)	<b>Maximus</b> (Quadro 6000 + Tesla C2075)	<b>Maximus</b> (Quadro 6000 + 2 x Tesla C2075)
<b>Dassault Systèmes Abaqus Simulia</b>	<b>Maximus</b> (Quadro 2000 + Tesla C2075)	<b>Maximus</b> (Quadro 6000 + Tesla C2075)	<b>Maximus</b> (Quadro 6000 + 2 x Tesla C2075)
<b>Dassault Systèmes Catia V5 and V6</b>	Quadro 2000	Quadro 4000	Quadro 5000
<b>Dassault Systèmes Catia Live Rendering</b>	Quadro 5000	Maximus (Quadro 4000 + Tesla C2075)	<b>Maximus</b> (Quadro 6000 + Tesla C2075)
<b>Dassault Systèmes SolidWorks</b>	Quadro 2000	Quadro 4000	Quadro 5000
<b>MathWorks MATLAB</b>	<b>Maximus</b> (Quadro 600 + Tesla C2075)	<b>Maximus</b> (Quadro 2000 + Tesla C2075)	<b>Maximus</b> (Quadro 2000 + 2 x Tesla C2075)
<b>MSC Nastran</b>	<b>Maximus</b> (Quadro 2000 + Tesla C2075)	<b>Maximus</b> (Quadro 6000 + Tesla C2075)	<b>Maximus</b> (Quadro 6000 + 2 x Tesla C2075)
<b>PTC Creo</b>	Quadro 2000	Quadro 4000	Quadro 5000
<b>Siemens NX</b>	Quadro 2000	Quadro 4000	Quadro 5000

## MODELING/ANIMATION /VISUALIZATION

<b>Autodesk 3ds Max</b>	Quadro 2000	Quadro 4000	Quadro 6000
<b>Autodesk 3ds Max for Interactive Rendering</b>			<b>Maximus</b> (Quadro 6000 + Tesla C2075)
<b>Autodesk Maya®</b>	Quadro 4000	Quadro 5000	Quadro 6000
<b>Autodesk Maya for Interactive Rendering</b>			<b>Maximus</b> (Quadro 6000 + Tesla C2075)
<b>Maxon Maxon 3D</b>	Quadro 600	Quadro 2000	Quadro 4000
<b>NewTek Lightwave™</b>	Quadro 2000	Quadro 4000	Quadro 5000
<b>Side Effects Houdini</b>		Quadro 4000	<b>Maximus</b> (Quadro 6000 + Tesla C2075)
<b>Side Effects Houdini for Interactive Rendering</b>			<b>Maximus</b> (Quadro 4000 + Tesla C2075)

## VIDEO EDITING

<b>Adobe® Premiere Pro®</b>	Quadro 2000	Quadro 4000	<b>Maximus</b> (Quadro 6000 + Tesla C2075)
<b>Apple® Final Cut®</b>		Quadro 4000	
<b>Avid® Media Composer®</b>		Quadro 4000	
<b>Grass Valley Edius®</b>	Quadro 600	Quadro 2000	Quadro 4000 or <b>Maximus</b> (Quadro 6000 + Tesla C2075)
<b>Sony Vegas™ Pro</b>	Quadro 600	Quadro 2000	Quadro 4000

## OIL & GAS

<b>Halliburton (Landmark) DecisionSpace®, GeoProbe®</b>	Quadro 4000	Quadro 5000	Quadro 6000
<b>Paradigm Geophysical VoxelGeo®</b>	Quadro 5000	Quadro 6000	<b>Maximus</b> (Quadro 6000 + Tesla C2075)
<b>Paradigm Geophysical EarthStudy360®</b>	Quadro 4000	Quadro 5000	Quadro 6000
<b>Schlumberger Information Solutions</b> Petrel Reservoir Engineering, Petrel Reservoir Modeling, Petrel Seismic Interpr.	Quadro 4000	Quadro 5000	Quadro 6000



For the fastest workflow, Maximus technology combines NVIDIA® Quadro® and Tesla® GPUs to deliver both high-performance graphics and parallel processing. Designers and engineers can now perform simultaneous CAE, rendering or structural/fluid analysis on the same system being used for design work. And content creation professionals can perform faster video editing, effects and animation.

For more information about Maximus Technology visit [www.nvidia.com/maximus](http://www.nvidia.com/maximus)

# NVIDIA QUADRO | THE RIGHT TOOL FOR PROFESSIONALS

		GREAT FOR PROs	GREAT FOR GAMING
PRICE   PERFORMANCE	\$2000 +	NVIDIA Quadro 6000	
	\$1000 - \$2000	NVIDIA Quadro 5000	NVIDIA GeForce GTX 690
	\$600 - \$1000	NVIDIA Quadro 4000	NVIDIA GeForce GTX 690
	\$200 - \$600	NVIDIA Quadro 2000	NVIDIA GeForce GTX 680
	\$150 - \$200	NVIDIA Quadro 600	NVIDIA GeForce GTX 670
	< \$150	NVIDIA Quadro 400	NVIDIA GeForce GTS 450
PRODUCTIVITY	Model Interactivity for professional application use	Fully interactive experience	Built for gaming
	Tested, certified, and tuned for pro apps	Recommended and certified on 200+ pro apps	Not tested or certified with professional applications
	Productivity features for pro apps	SolidWorks RealView mode, Adobe After Effects™, AutoCAD performance driver, 3D support for SolidWorks eDrawings and many others.	No special features for pro apps and workflows
	Desktop management tools	NVIDIA nView™ pro desktop management tool	Not designed for multi-display professional environments
FEATURES	MultiDisplay	NVIDIA Mosaic™ spans any application across multi-hi res panels or projectors with advanced functions like bezel correction, overlap and warping and blending capabilities.	NVIDIA Surround optimized for 3 monitor, immersive gaming experiences.
	Stereoscopic Display	Wide range of professional and consumer applications support Stereoscopic 3D display on HDMI 3D TVs, projectors, and displays with a rich set of stereo glasses including NVIDIA 3D Vision™ and 3D Vision Pro.	Games and consumer applications display in Stereo 3D only on 3D Vision hardware or HDMI 3D TV's.
	Video I/O	Quadro Digital Video Pipeline and GPUDirect for Video directly streams video in and out of the Quadro GPU.	Video I/O is copied through system memory adding latency and non-determinism.
RELIABILITY	Extended availability	3-year lifecycle	Limited lifecycle determined by consumer market
	Global support & extended warranty	Knowledgeable support team and 3-year no-hassle warranty	Support capabilities and warranty process geared for gaming customer needs
	Quality and stability	<b>Designed, built, and tested by NVIDIA</b>	Designs are modified and built by multiple 3rd party manufacturers

Pricing comparison based on estimated street prices as of 5/10/2012, derived from internet sources such as Google Shopping. Additional information available at [www.nvidia.com/object/workstation](http://www.nvidia.com/object/workstation).

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