

The image shows three NVIDIA Quadro M6000 graphics cards installed in a server rack. Each card is black with a green NVIDIA logo and the text 'NVIDIA QUADRO M6000'. A 'STEREO' label is visible on each card. The background is dark and filled with server cables.

THE RIGHT TOOLS FOR
PROFESSIONALS
NVIDIA WORKSTATION GPU_s

NVIDIA QUADRO[™]
AUTHORIZED PARTNER

PNY[®]

NVIDIA PROFESSIONAL SOLUTION GUIDE

The best solution for customers on their use case.

Ask your customer questions about the nature of their work and use the guide below to determine which solution to recommend.

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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?

2

YES

- > What industry or job?
- > Which primary application do you use?

NO

Financial Services, Digital Signage, Education, Insurance, any Commercial Environments, Government Agencies, Hospitals and Call Centers. Visit www.quadro.com/nvs

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GOOD	BETTER	BEST
<ul style="list-style-type: none"> > Occasional use of application Small objects and assemblies About 10% of the users 	<ul style="list-style-type: none"> > Regular use of application Average to large objects and assemblies Using all application features About 80% of users 	<ul style="list-style-type: none"> > Pushing the application to its limits Extremely large objects and assemblies Using all application features About 10% of users

Design/Engineering/Manufacturing

Application	Platform	Good GPU	Better GPU	Best GPU
Altair® HyperWorks®	Desktop	NVIDIA® Quadro® K2200	Quadro M4000	Quadro M5000
ANSYS Mechanical™	Desktop	NVIDIA Multi-GPU Quadro K2200 + Tesla K40	Multi-GPU Quadro K5200 + Tesla K40	Multi-GPU Quadro K6000 + Tesla K40
ANSYS Fluent®	Desktop	Multi-GPU Quadro K2200 + Tesla K40	Multi-GPU Quadro K5200 + Tesla K40	Multi-GPU Quadro K6000 + Tesla K40
Autodesk® AutoCAD®	Desktop	Quadro K620	Quadro K2200	Quadro M4000
Autodesk Inventor®	Desktop	Quadro K2200	Quadro M4000	Quadro M5000
Autodesk MoldFlow®	Desktop	Multi-GPU Quadro K620 + Tesla K40	Multi-GPU Quadro K2200 + Tesla K40	Multi-GPU Quadro M4000 + Tesla K40
Autodesk Revit®	Desktop	Quadro K620	Quadro K2200	Quadro M4000
Autodesk Showcase™	Desktop	Quadro K2200	Quadro K4200	Quadro K5200
Autodesk Inventor + 3ds Max®	Desktop	Quadro K2200	Quadro M5000	Multi-GPU Quadro M5000 + Tesla K40
Autodesk Revit + 3ds Max	Desktop	Quadro K2200	Quadro M5000	Multi-GPU Quadro M5000 + Tesla K40
Dassault Systèmes SIMULIA Abaqus*	Desktop	Multi-GPU Quadro K2200 + Tesla K40	Multi-GPU Quadro M4000 + Tesla K40	Multi-GPU Quadro M5000 + Tesla K40
Dassault Systèmes CATIA V5 and V6	Desktop	Quadro K2200	Quadro M4000	Quadro M5000
Dassault Systèmes CATIA Live Rendering	Desktop	Quadro M5000	Quadro M6000	Multi-GPU 2x Quadro M6000
Dassault Systèmes SOLIDWORKS	Desktop	Quadro K2200	Quadro M4000	Quadro M5000
MathWorks MATLAB	Desktop	Multi-GPU Quadro K620 + Tesla K40	Multi-GPU Quadro M4000 + Tesla K40	Multi-GPU Quadro M5000 + Tesla K40
MSC Nastran**	Desktop	Multi-GPU Quadro K2200 + Tesla K40	Multi-GPU Quadro M4000 + Tesla K40	Multi-GPU Quadro M5000 + Tesla K40
PTC Creo	Desktop	Quadro K2200	Quadro M4000	Quadro M5000
Siemens NX	Desktop	Quadro K2200	Quadro M4000	Quadro M5000

Modeling/Animation/Visualization/Effects

Application	Platform	Good GPU	Better GPU	Best GPU
Autodesk 3ds Max	Desktop	Quadro K2200	Quadro M4000	Quadro M5000
Autodesk 3ds Max for GPU Ray Tracing	Desktop	Quadro M5000	Multi-GPU 2x Quadro M6000	Multi-GPU 3x Quadro M6000
Autodesk Maya®	Desktop	Quadro M4000	Quadro M5000	Quadro M6000

Design/Engineering/Manufacturing (Cont.)		GOOD	BETTER	BEST
Autodesk Maya for GPU Ray Tracing	Desktop	Quadro M6000	Multi-GPU 2x Quadro M6000	Multi-GPU 3x Quadro M6000
Autodesk Mudbox™	Desktop	Quadro M4000	Quadro M5000	Quadro M6000
Bunkspeed SHOT, PRO, DRIVE	Desktop	Quadro M4000	Quadro M5000	Quadro M6000
Maxon CINEMA 4D	Desktop	Quadro K2200	Quadro M4000	Quadro M5000
NewTek Lightwave™	Desktop	Quadro K2200	Quadro M4000	Quadro M5000
Side Effects Houdini	Desktop	Quadro M6000	Multi-GPU 2x Quadro M6000	Multi-GPU 3x Quadro M6000

Video Editing

Adobe® Premiere Pro® CC	Desktop	Quadro K2200	Quadro M5000	Multi-GPU 2x Quadro M6000
Avid® Media Composer®	Desktop	Quadro K2200	Quadro M4000	Quadro M4000
Grass Valley Edius®	Desktop	Quadro K620	Quadro K2200	Quadro M4000
Sony Vegas Pro™	Desktop	Quadro K620	Quadro K2200	Quadro M4000

Image Editing/Artistic Design

Adobe® Photoshop® CC	Desktop	Quadro K620	Quadro K2200	Quadro M4000
Adobe® Illustrator® CC	Desktop	Quadro K620	Quadro K2200	Quadro M4000

Oil and Gas

Halliburton (Landmark) DecisionSpace®, GeoProbe®	Desktop	Quadro M4000	Quadro M5000	Quadro M6000
Paradigm Geophysical VoxelGeo®	Desktop	Quadro M5000	Quadro M6000	Multi-GPU 2x Quadro M6000
Paradigm Geophysical EarthStudy360®	Desktop	Quadro M4000	Quadro M5000	Quadro M6000
Schlumberger Petrel	Desktop	Quadro M4000	Quadro M5000	Quadro M6000
IHS KINGDOM	Desktop	Quadro K2200	Quadro M4000	Quadro M5000

Get the PNY Advantage.

PNY provides unsurpassed service and commitment to its wide variety of graphics customers. In addition, PNY delivers a complete solution including the appropriate adapters, cables, brackets, driver DVD and documentation to ensure a quick and successful install.

- 3 year warranty
- Support for NVIDIA graphics solutions in all system brands
- Pre-and post sales assistance
- Toll-free professional technical support
- Dedicated Field Application Engineers

Products

PNY Part Number

Quadro M6000	VCQM6000-PB
Quadro K6000	VCQK6000-PB
Quadro M5000	VCQM5000-PB
Quadro M5200	VCQK5200-PB
Quadro M4000	VCQM4000-PB
Quadro M4200	VCQK4200-PB
Quadro M2200	VCQK2200-PB
Quadro K620	VCQK620-PB

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PROFESSIONAL GRAPHICS VS ALTERNATIVE GRAPHICS COMPARISON

NVIDIA makes industry-leading graphics cards for a variety of uses. When you come across a customer who is using gaming cards for professional applications, make sure they are aware of the unique benefits that NVIDIA Quadro graphic cards offer.

Benefits of Professional Graphics Over Gaming Graphics

Quadro hardware is built for years of use:

- > Quadro offers extended availability and support for all professional cards (including bug fixes for professional applications).

Quadro boards are built for workplace environments:

- > Deployment can be for tens or hundreds of PCs in offices. That is why Quadro cards have more memory, smaller footprints, and consume less power.
- > **Application certified**, meaning the board/driver combination has been tested to work flawlessly on 100% of the certified software features and views professionals use.

Quadro cards come with professional management tools:

- > **NVIDIA® nView®** for desktop management, allowing users to create grids and snap applications to them.
- > **NVIDIA® Mosaic™** for combining multiple displays into one large display seamlessly without tearing.
- > **Advanced 3D stereo** supports stereoscopic 3D display on HDMI 3D TVs, projectors and displays, allowing for viewing images and ultrasounds in 3D.

QUADRO	GAMING	INTEGRATED
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Productivity

Basic 3D and compute acceleration	•	•	•
Maximum uptime on over 100 Professional Applications	•		
Qualified and tested Multi-GPU configurations on over 40 Professional Applications	•		
Higher Bit Depth (30bit) Color Support & Standard DisplayPort connectors	•		
Better workspace and display management with NVIDIA® nView® and NVIDIA® Mosaic™ software	•		
Model and render through the combination of the largest GPU memory and graphics horsepower	•		
Deploy a broadcast video solution with NVIDIA Digital Video Pipeline	•		

Confidence

Maximum deployment flexibility and reliability. Built & tested by NVIDIA to single specification prioritizing low power, smaller physical footprint, and quiet acoustics	•		
Qualify and deploy with confidence thanks to extended availability and support	•		
Extended availability + Business Class 3 year Warranty	•		

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