NVIDIA® QUADRO® PROFESSIONAL SOLUTION GUIDE

NVIDIA QUADRO AUTHORIZED PARTNER PNY

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.

1 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**

3

GOOD	BETTER	BEST
> Occasional use of application Small objects and assemblies About 10% of the users	> Regular use of application Average to large objects and assemblies Using all application features About 80% of users	> Pushing the application to its limits Extremely large objects and assemblies Using all application features About 10% of users

Design/Engineering/Manufacturing

Altair® HyperWorks®	Desktop	NVIDIA Quadro P2000	Quadro P4000	Quadro P5000
ANSYS Mechanical™	Desktop	NVIDIA Quadro GP100	NVIDIA Quadro GP100	NVIDIA Quadro GP100
ANSYS Fluent®	Desktop	NVIDIA Quadro GP100	NVIDIA Quadro GP100	NVIDIA Quadro GP100
Autodesk® AutoCAD®	Desktop	NVIDIA Quadro P600	NVIDIA Quadro P2000	NVIDIA Quadro P4000
Autodesk Inventor®	Desktop	NVIDIA Quadro P2000	NVIDIA Quadro P4000	NVIDIA Quadro P5000
Autodesk MoldFlow®	Desktop	NVIDIA Quadro GP100	NVIDIA Quadro GP100	NVIDIA Quadro GP100
Autodesk Revit®	Desktop	NVIDIA Quadro P600	NVIDIA Quadro P200	NVIDIA Quadro P4000
Autodesk Showcase™	Desktop	NVIDIA Quadro P2000	NVIDIA Quadro P4000	NVIDIA Quadro P5000
Autodesk Inventor + 3ds Max®	Desktop	NVIDIA Quadro P2000	NVIDIA Quadro P5000	NVIDIA Quadro P6000
Autodesk Revit + 3ds Max	Desktop	NVIDIA Quadro P2000	NVIDIA Quadro P5000	NVIDIA Quadro P6000
Dassault Systèmes SIMULIA Abaqus*	Desktop	NVIDIA Quadro GP100	NVIDIA Quadro GP100	NVIDIA Quadro GP100
Dassault Systèmes CATIA V5 and V6	Desktop	NVIDIA Quadro P2000	NVIDIA Quadro P4000	NVIDIA Quadro P5000
Dassault Systèmes CATIA Live Rendering	Desktop	NVIDIA Quadro P5000	NVIDIA Quadro P6000	2x NVIDIA Quadro P6000 or Quadro GP100
Dassault Systèmes SOLIDWORKS	Desktop	NVIDIA Quadro P2000	NVIDIA Quadro P4000	NVIDIA Quadro P5000
MathWorks MATLAB	Desktop	NVIDIA Quadro GP100	NVIDIA Quadro GP100	NVIDIA Quadro GP100
MSC Nastran**	Desktop	NVIDIA Quadro GP100	NVIDIA Quadro GP100	NVIDIA Quadro GP100
PTC Creo	Desktop	NVIDIA Quadro P2200	NVIDIA Quadro P4000	NVIDIA Quadro P5000
Siemens NX	Desktop	NVIDIA Quadro P2000	NVIDIA Quadro P4000	NVIDIA Quadro P5000
Modeling/Animation/Visualization/Effects				
Autodesk 3ds Max	Desktop	NVIDIA Quadro P4000	NVIDIA Quadro P4000	NVIDIA Quadro P6000
Autodesk 3ds Max for GPU Ray Tracing	Desktop	NVIDIA Quadro P5000	2x NVIDIA Quadro P6000	4x NVIDIA Quadro P6000 or VCA Certified System
Autodesk Maya®	Desktop	NVIDIA Quadro P4000	NVIDIA Quadro P5000	NVIDIA Quadro P6000

Design/Engineering/Manufacturing (Cont.)		GOOD	BETTER	BEST
Autodesk Maya for GPU Ray Tracing	Desktop	NVIDIA Quadro P6000	2x Quadro P6000	4x NVIDIA Quadro P6000 or VCA Certified System
Autodesk Mudbox™	Desktop	NVIDIA Quadro p4000	NVIDIA Quadro P5000	NVIDIA Quadro P6000
SOLIDWORKS Visualize	Desktop	NVIDIA Quadro P6000	2x NVIDIA Quadro P6000	4x NVIDIA Quadro P6000 or VCA Certified Sustem
Maxon CINEMA 4D	Desktop	NVIDIA Quadro P2000	NVIDIA Quadro P4000	NVIDIA Quadro P5000
NewTek Lightwave™	Desktop	NVIDIA Quadro P2000	NVIDIA Quadro P4000	NVIDIA Quadro P5000
Side Effects Houdini	Desktop	NVIDIA Quadro P6000	2x NVIDIA Quadro P6000	4x NVIDIA Quadro P6000
Video Editing				
Adobe® Premiere Pro® CC	Desktop	NVIDIA Quadro P2000	NVIDIA Quadro P5000	2x NVIDIA Quadro P6000
Avid® Media Composer®	Desktop	NVIDIA Quadro P2000	NVIDIA Quadro P4000	NVIDIA Quadro P5000
Grass Valley Edius®	Desktop	NVIDIA Quadro P600	NVIDIA Quadro P2000	NVIDIA Quadro P4000
Sony Vegas Pro™	Desktop	NVIDIA Quadro P600	NVIDIA Quadro P2000	NVIDIA Quadro P4000
Image Editing/Artistic Design				
Adobe® Photoshop® CC	Desktop	NVIDIA Quadro P600	NVIDIA Quadro P2000	NVIDIA Quadro P4000
Adobe® Illustrator® CC	Desktop	NVIDIA Quadro P600	NVIDIA Quadro P2000	NVIDIA Quadro P4000
Oil and Gas				
Halliburton (Landmark) DecisionSpace®, GeoProbe®	Desktop	NVIDIA Quadro P4000	NVIDIA Quadro P5000	NVIDIA Quadro P6000
Paradigm Geophysical VoxelGeo®	Desktop	NVIDIA Quadro P5000	NVIDIA Quadro P6000	2x NVIDIA Quadro P6000
Paradigm Geophysical EarthStudy360®	Desktop	NVIDIA Quadro P4000	NVIDIA Quadro P5000	NVIDIA Quadro P6000
Schlumberger Petrel	Desktop	NVIDIA Quadro P4000	NVIDIA Quadro P5000	NVIDIA Quadro P6000
IHS KINGDOM	Desktop	NVIDIA Quadro P2000	NVIDIA Quadro P4000	NVIDIA Quadro P5000

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
NVIDIA Quadro GP100	VCQGP100-PB
NVIDIA Quadro P6000	VCQP6000-PB
NVIDIA Quadro P5000	VCQP5000-PB
NVIDIA Quadro P4000	VCQP4000-PB
NVIDIA Quadro P2000	VCQP2000-PB
NVIDIA Quadro P1000	VCQP1000-PB
NVIDIA Quadro P600	VCQP600-PB
NVIDIA Quadro P400	VCQP400-PB

NVIDIA QUADRO
AUTHORIZED PARTNER
PNY

PNY Technologies, Inc.
100 Jefferson Road, Parsippany, NJ 07054-0218
Tel 408.567.5500 | Fax 408.855.0680

For more information visit: **www.pny.com/quadro or email gopny@pny.com**

© 2017 NVIDIA Corporation and PNY. All rights reserved. NVIDIA, the NVIDIA logo, Quadro, and Tesla are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. The PNY logotype is a registered trademark of PNY Technologies.

PROFESSIONAL GRAPHICS VS ALTERNATIVE GRAPHICS COMPARISION

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.
- **NVIDIA® VRWorks™ and VR Ready** GPU optimizations included with the P4000, P5000 and P6000. The GP100 is also fully capable of delivering immersive VR experiences.

	QUADRO	GAMING	INTEGRATED
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 and 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; display in stereo or immerse VR (P4000 and higher)	•		
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	•		

NVIDIA QUADRO AUTHORIZED PARTNER

PNY

PNY Technologies, Inc.
100 Jefferson Road, Parsippany, NJ 07054-0218
Tel 408 567 5500 | Fax 408 855 0680

For more information visit: **www.pny.com/quadro or email gopny@pny.com**

© 2017 NVIDIA Corporation and PNY. All rights reserved. NVIDIA, the NVIDIA logo, Quadro, and Tesla are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. The PNY logotype is a registered trademark of PNY Technologies.