



THE RIGHT TOOLS FOR
PROFESSIONALS
NVIDIA WORKSTATION GPU_s



NVIDIA PROFESSIONAL SOLUTION GUIDE

Find the Best Workstation GPU for Your Customers Based on Use Case

The current NVIDIA® Quadro® lineup includes NVIDIA Pascal™, Volta™, Turing™, and Ampere architectures. **Please request that your customers contact their software providers for the latest information on application certifications and support.**

1 ASK

- > Do you work in a technical profession such as design, engineering, architecture, science, data science, or research?
- > Do you create, render, or visualize large data sets and images for your work?
- > Do you train or use neural networks, computationally intensive applications, or simulations?

NO

Go to page 5 for display and video wall recommendations for other industries and professionals.

2 YES

- > What is your industry or job?
- > What is the primary application you use?

3

| 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 RTX™ 4000 | NVIDIA Quadro RTX 5000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Ansys Discovery Live | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | NVIDIA RTX A6000/Quadro GV100 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Ansys Workbench, Ansys AIM, and Ansys EnSight | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Ansys Mechanical, ANSYS Fluent, and Ansys HFSS | Desktop | Quadro GP100 | Quadro GV100 | 2x Quadro GV100 |
| | Mobile ¹ | Quadro RTX 4000 | Quadro RTX 5000 | Quadro RTX 5000 |
| Ansys LS-PrePost | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Ansys SPEOS, HFSS SBR+ | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 4000 | Quadro RTX 5000 | Quadro RTX 5000 |
| Autodesk 3ds Max | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Autodesk AutoCAD | Desktop | Quadro P620 | Quadro P2200 | Quadro RTX 4000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Autodesk Fusion 360 | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 4000 | Quadro RTX 5000 | Quadro RTX 6000 |
| Autodesk Netfabb 2018 | Desktop | Quadro P620 | Quadro P2200 | Quadro RTX 4000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Autodesk Inventor | Desktop | Quadro P620 | Quadro P2200 | Quadro RTX 4000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Autodesk VRED | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| BETA CAE ANSA, META | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| COMSOL | Desktop | Quadro P2200 | Quadro RTX 4000 | Quadro RTX 5000 |
| | Mobile | Quadro T1000 | Quadro T2000 | Quadro RTX 4000 |
| Dassault Systèmes 3DEXCITE DELTAGEN / DELTAVIEW | Desktop | Quadro RTX 5000 | NVIDIA RTX A6000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Dassault Systèmes CATIA V5-6 and 3DEXPERIENCE | Desktop | Quadro P2200 | Quadro RTX 4000 | NVIDIA RTX A6000 |
| | Mobile | Quadro T2000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Dassault Systèmes CATIA Live Rendering | Desktop | Quadro RTX 5000 | NVIDIA RTX A6000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Dassault Systèmes Abaqus and SIMULIA CST Studio | Desktop | Quadro GP100 | Quadro GV100 | 2x Quadro GV100 |
| | Mobile ¹ | Quadro RTX 4000 | Quadro RTX 5000 | Quadro RTX 5000 |
| Dassault Systèmes SIMULIA PowerViz | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Dassault Systèmes SOLIDWORKS | Desktop | Quadro P2200 | Quadro RTX 4000 | Quadro RTX 5000 |
| | Mobile | Quadro T2000 | Quadro RTX 4000 | Quadro RTX 5000 |

DESIGN/ENGINEERING/ MANUFACTURING cont.

| | | GOOD | BETTER | BEST |
|---|---------|-----------------|--------------------|-------------------------------|
| Dassault Systèmes SOLIDWORKS Visualize² | Desktop | Quadro RTX 4000 | 2x Quadro RTX 4000 | 2x NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 4000 | Quadro RTX 5000 | Quadro RTX 5000 |
| ESI Group IC.IDO | Desktop | Quadro RTX 5000 | 2x Quadro RTX 5000 | 2x NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 4000 | Quadro RTX 5000 | Quadro RTX 5000 |
| Hexagon MSC Nastran | Desktop | Quadro GP100 | Quadro GV100 | 2x Quadro GV100 |
| | Mobile | Not Applicable | Not Applicable | Not Applicable |
| Hexagon MSC Patran, Apex, ADAMS | Desktop | Quadro P2200 | Quadro RTX 4000 | Quadro RTX 5000 |
| | Mobile | Quadro T1000 | Quadro T2000 | Quadro RTX 4000 |
| Lumiscaphe P3D Design | Desktop | Quadro RTX 5000 | NVIDIA RTX A6000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 4000 | Quadro RTX 5000 | Quadro RTX 5000 |
| MathWorks MATLAB | Desktop | Quadro GV100 | Quadro GV100 | 2x Quadro GV100 |
| | Mobile | Quadro RTX 5000 | Quadro RTX 5000 | Quadro RTX 5000 |
| PTC Creo | Desktop | Quadro P2200 | Quadro RTX 4000 | Quadro RTX 5000 |
| | Mobile | Quadro T2000 | Quadro RTX 4000 | Quadro RTX 5000 |
| PTC Creo Simulation Live | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | NVIDIA RTX A6000/Quadro GV100 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Siemens Simcenter STAR-CCM+ | Desktop | Quadro P2200 | Quadro RTX 4000 | Quadro RTX 5000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Siemens Simcenter Nastran | Desktop | Quadro GP100 | Quadro GV100 | 2x Quadro GV100 |
| | Mobile | Not Applicable | Not Applicable | Not Applicable |
| Siemens NX | Desktop | Quadro P2200 | Quadro RTX 4000 | Quadro RTX 5000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Siemens Simcenter 3D, and Simcenter FEMAP | Desktop | Quadro P2200 | Quadro RTX 4000 | Quadro RTX 5000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Siemens NX + Ray Traced Studio (Iray) | Desktop | Quadro RTX 5000 | NVIDIA RTX A6000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Siemens Solid Edge | Desktop | Quadro P2200 | Quadro RTX 4000 | Quadro RTX 5000 |
| | Mobile | Quadro P1000 | Quadro P2200 | Quadro RTX 3000 |

VIRTUAL REALITY VIEWER (VR VIEWER)

| | | | | |
|--|---------|-----------------|-----------------|---------------------------|
| ANSYS VRXPERIENCE | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | Up to 3x NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 4000 | Quadro RTX 5000 | Quadro RTX 5000 |
| Autodesk Live | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Siemens NX VR, Process Simulate VR, Teamcenter VR | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Siemens Simcenter STAR-CCM+ VR | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 4000 | Quadro RTX 5000 | Quadro RTX 6000 |

ARCHITECTURE/ENGINEERING/CONSTRUCTION

| | | | | |
|---|---------|-----------------|------------------|---------------------------|
| Autodesk 3ds Max | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | Up to 3x NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Autodesk ReCap 360 | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 4000 | Quadro RTX 5000 | Quadro RTX 6000 |
| Autodesk Revit | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Bentley LumenRT | Desktop | Quadro RTX 5000 | NVIDIA RTX A6000 | 2x NVIDIA RTX A6000 |
| | Mobile | Quadro RTX4000 | Quadro RTX 5000 | Quadro RTX 5000 |
| Bentley MicroStation | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Enscape Enscape3d | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | Up to 3x NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| McNeel Rhino | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Nemetschek Allplan | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Nemetschek Graphisoft ArchiCAD | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Nemetschek Vectorworks | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | Quadro RTX 5000 |
| | Mobile | Quadro RTX 3000 | Quadro T2000 | Quadro RTX 4000 |
| Trimble SketchUp Pro | Desktop | Quadro RTX 4000 | Quadro RTX 4000 | Quadro RTX 5000 |
| | Mobile | Quadro RTX 3000 | Quadro T2000 | Quadro RTX 4000 |

MODELING/ANIMATION/ VISUALIZATION/EFFECTS

| | | GOOD | BETTER | BEST |
|-----------------------|---------|------------------|---------------------|---------------------------|
| Adobe® After Effects® | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Autodesk 3ds Max | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Autodesk Arnold | Desktop | Quadro RTX 5000 | NVIDIA RTX A6000 | 2x NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 4000 | Quadro RTX 5000 | Quadro RTX 5000 |
| Autodesk Maya | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Chaos V-Ray GPU | Desktop | Quadro RTX 4000 | NVIDIA RTX A6000 | Multiple NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Maxon CINEMA 4D | Desktop | Quadro P2200 | Quadro RTX 4000 | NVIDIA RTX A6000 |
| | Mobile | Quadro T2000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Otoy Octane | Desktop | Quadro RTX 4000 | NVIDIA RTX A6000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| NewTek Lightwave | Desktop | Quadro P2200 | Quadro RTX 4000 | Quadro RTX 5000 |
| | Mobile | Quadro T2000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Redshift Renderer | Desktop | Quadro RTX 4000 | NVIDIA RTX A6000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 3000 | Quadro RTX 4000 | Quadro RTX 5000 |
| SideFX Houdini | Desktop | NVIDIA RTX A6000 | 2x NVIDIA RTX A6000 | 2x NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 4000 | Quadro RTX 5000 | Quadro RTX 5000 |

VIDEO EDITING

| | | | | |
|--|---------|-----------------|------------------|---------------------------|
| Adobe Media Encoder | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | NVIDIA RTX A6000 |
| | Mobile | Quadro T2000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Adobe Premiere® Pro | Desktop | Quadro RTX 4000 | Quadro RTX 5000 | NVIDIA RTX A6000 |
| | Mobile | Quadro T2000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Autodesk Flame | Desktop | Quadro RTX 5000 | NVIDIA RTX A6000 | 2x NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 4000 | Quadro RTX 5000 | Quadro RTX 5000 |
| Avid Media Composer | Desktop | Quadro P2200 | Quadro RTX 4000 | Quadro RTX 5000 |
| | Mobile | Quadro T2000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Blackmagic Design DaVinci Resolve | Desktop | Quadro RTX 5000 | NVIDIA RTX A6000 | Multiple NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 4000 | Quadro RTX 5000 | Quadro RTX 5000 |
| ColorFront Transkoder and On-Set Dailies | Desktop | Quadro RTX 5000 | NVIDIA RTX A6000 | Multiple NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 4000 | Quadro RTX 5000 | Quadro RTX 5000 |
| FilmLight Baselight | Desktop | Quadro RTX 5000 | NVIDIA RTX A6000 | 2x NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 4000 | Quadro RTX 5000 | Quadro RTX 5000 |
| Grass Valley EDIUS | Desktop | Quadro P620 | Quadro P2200 | Quadro RTX 4000 |
| | Mobile | Quadro T1000 | Quadro T2000 | Quadro RTX 4000 |
| MAGIX VEGAS Pro | Desktop | Quadro P620 | Quadro P2200 | Quadro RTX 4000 |
| | Mobile | Quadro T1000 | Quadro T2000 | Quadro RTX 4000 |
| RED Digital Cinema REDCINE-X PRO | Desktop | Quadro RTX 5000 | NVIDIA RTX A6000 | 2x NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 4000 | Quadro RTX 5000 | Quadro RTX 5000 |

IMAGE EDITING/ARTISTIC DESIGN

| | | | | |
|----------------------------------|---------|-----------------|--------------------|------------------|
| Adobe Photoshop® | Desktop | Quadro P620 | Quadro P2200 | Quadro RTX 4000 |
| | Mobile | Quadro P620 | Quadro T1000 | Quadro RTX 3000 |
| Adobe Illustrator® | Desktop | Quadro P620 | Quadro P2200 | Quadro RTX 4000 |
| | Mobile | Quadro P620 | Quadro T1000 | Quadro RTX 3000 |
| Allegorithmic Substance Designer | Desktop | Quadro P2200 | Quadro RTX 4000 | Quadro RTX 5000 |
| | Mobile | Quadro T2000 | Quadro RTX 4000 | Quadro RTX 5000 |
| Allegorithmic Substance Painter | Desktop | Quadro RTX 4000 | 2x Quadro RTX 4000 | NVIDIA RTX A6000 |
| | Mobile | Quadro RTX 4000 | Quadro RTX 5000 | Quadro RTX 5000 |

1 For visualization | 2 SOLIDWORKS Visualize users may require more powerful and/or multiple GPUs for improved rendering performance, depending on rendering frequency and scene complexity. | Please request that your customers contact their software providers for the latest information on application certifications and support.



Please visit www.gpugenius.com to find:

- > Online sales and product training modules
- > Easy-to-share, customer-ready presentations, solution sheets, and videos

Find the best enterprise solution for your customers based on their needs

ASK

- > Are you using integrated graphics?
- > Are you looking to drive a single or multiple displays or video walls?
- > Do you work in financial services, education, insurance, any commercial environments, government agencies, hospitals or call centers?

YES!

Recommend*

| Are you... | Work Environment | | GOOD | BETTER | BEST | Background and Advantages |
|---|---|-----------------|--------------------|--------------------|--|--|
| Using Windows 10? Customer is using integrated graphics. | Windows 10 is graphically intense. A dedicated graphics card will give a better overall user experience. For multiple displays, the customer will need a dedicated graphics card. | Desktop | Quadro P400 | Quadro P620 | Quadro P1000 | All cards support up to four displays. For additional or high-resolution displays, recommend P620 or P1000. P620 provides an additional display port, increased performance, and more memory. P1000 provides double the memory of P620. |
| | | Mobile** | Quadro P620 | | | |
| Using Linux? | Is this to drive a single display? Yes: Tends to be for a compute solution. No: Is this for high-resolution display or video wall? | Desktop | Quadro P400 | Quadro P620 | Quadro P1000 | For additional or high-resolution displays, recommend P620 or P1000. P620 provides an additional display port, increased performance, and more memory. P1000 provides double the memory of P620. |
| | | Mobile** | Quadro P620 | | | |
| Using 4K displays? | No: Do you plan on using 4K displays in the future? | Desktop | Quadro P400 | Quadro P620 | Quadro P1000 | Future-proof your customer's system for when they will use higher-resolution displays. They'll need larger GPU memory. P620 provides an additional display port, increased performance, and more memory. P1000 provides double the memory of P620. |
| | | Mobile** | Quadro P620 | | | |
| Building a video wall or using digital signage? Do you need to drive eight displays or more? | | | 2x Quadro P2200 | 2x Quadro RTX 4000 | 2x Quadro RTX 5000 | Two cards are needed if driving eight displays. RTX 4000 allows use of NVIDIA Sync II and Mosaic, and the user gets increased memory of up to 6 gigabytes (GB). RTX 5000 adds error correcting code (ECC memory) and doubles the memory up to 16 GB. |
| Currently using or have you used NVIDIA NVS™? | If yes, your customer has an environment that uses multiple displays. | | | | | |
| | Ask your customer which NVS card they use and look below for recommendations. | | | | | |
| | Are you using NVS 310 or NVS 315? | | Quadro P400 | Quadro P620 | Quadro P1000 | Advantages of P620 is an additional display port and better performance. P1000 has more memory for higher-resolution and future-proofs customer's system. |
| | Are you using NVS 510? | | Quadro P620 | Quadro P1000 | Quadro P1000 | P1000 has the same number of display ports, but the user gets double the memory. |
| Are you using NVS 810? | | 2x Quadro P2200 | 2x Quadro RTX 4000 | 2x Quadro RTX 5000 | Two cards are needed if driving eight displays. RTX 4000 allows use of NVIDIA Sync II and Mosaic, and the user gets increased memory of up to 6 GB. RTX 5000 adds error correcting code (ECC memory) and doubles the memory up to 16 GB. | |

*All Quadro graphics cards offer power efficiencies to decrease power consumption and minimize total cost of ownership (TCO).

**Check with the OEM manufacturer for specific feature support.

ENTERPRISE GRAPHICS VS. CONSUMER GRAPHICS

NVIDIA makes industry-leading graphics cards for a variety of uses.

When you come across a customer who's using gaming cards for professional applications, make sure they're aware of the unique benefits that NVIDIA enterprise graphics cards offer.

BENEFITS OF PROFESSIONAL GRAPHICS OVER CONSUMER GRAPHICS

Enterprise graphics cards are built for years of non-stop use:

- > Designed and tested for reliable performance 24 hours a day, 7 days a week.
- > Extended availability and support is offered on all professional cards, including bug fixes for professional applications.

Enterprise graphics cards are built for workplace environments:

- > More GPU memory, smaller footprints, and less power consumption.
- > Deployment can be for tens or hundreds of PCs in offices.
- > **Application certified:** NVIDIA graphics cards and drivers are continuously tuned and tested for software compatibility and stability on 100% of certified professional software applications.

NVIDIA graphics cards provide enterprise support tools for remote administration and deployment, as well as professional features such as:

- > **NVIDIA Quadro View** desktop management software features a full suite of display management tools like flexible window snapping, user profiles, window management, and hotkey support.
- > **NVIDIA Quadro Experience** delivers productivity tools like 4K recording, automatic alerts for driver updates, and gaming features.
- > **NVIDIA Mosaic** display technology lets you combine up to 16 high-resolution displays or projectors to create a seamless large-scale visualization.
- > **Advanced 3D stereo** supports stereoscopic 3D display on HDMI 3D TVs, projectors, and displays, allowing for viewing images and ultrasounds in 3D.

| PERFORMANCE | ENTERPRISE | GAMING | INTEGRATED |
|---|------------|--------|------------|
| Professional application-specific feature development and tuning | • | | |
| Driver optimizations to maximize professional application performance | • | | |
| Unique features to support professional workflows | • | | |
| IT tools for easy deployment and management | • | | |
| Gaming profile* | • | | |
| Extreme performance scaling with Multi-GPU | • | | |

RELIABILITY

| | | | |
|---|---|--|--|
| Professional application-specific testing by NVIDIA | • | | |
| 100+ professional application certifications by independent software vendors (ISVs) | • | | |
| Certified across workstation platforms by leading original equipment manufacturers (OEMs) | • | | |
| Unified, rock-solid driver with deterministic release schedule | • | | |
| Tested and certified by NVIDIA and OEM partners for 24/7 reliability | • | | |
| Extended availability | • | | |

SUPPORT

| | | | |
|---|---|--|--|
| Deep workflow experience across vertical industries | • | | |
| Long-life cycle availability and support | • | | |
| Bulk availability for large enterprises | • | | |
| Global technical pre-sales and post-sales support | • | | |
| Online end-user forums for fast support from subject matter experts | • | | |

* Most games will run fine on Quadro graphics cards. Enable the "Game Development" profile if any unexpected results occur while gaming.