



THE RIGHT TOOLS FOR
PROFESSIONALS
NVIDIA WORKSTATION GPUs



NVIDIA PROFESSIONAL SOLUTION GUIDE

Find the Best Solution for Your Customers

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

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RECOMMENDED QUESTIONS

- > Are you a technical professional?
- > Is your title: designer, engineer, architect, scientist, analyst, data scientist, researcher, or other?
- > Do you create, render, or visualize large data and images for your work?
- > Do you train or use neural networks?



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YES

You've found an NVIDIA RTX Customer

- > What industry do you work in or what's your job title?
- > What is the primary application you use?

NO

Go to page 6 to get display and video wall recommendations for other industries and professionals.

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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

Altair® HyperWorks®	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Altair AcuSolve®	Desktop	NVIDIA RTX A4500	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Altair ultraFluidX®, Altair	Desktop	2x NVIDIA RTX A6000	4x NVIDIA RTX A6000	4x NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Altair OptiStruct	Desktop	Quadro GV100	Quadro GV100	Quadro GV100
	Mobile	Not Applicable	Not Applicable	Not Applicable
Altair Thea Render®	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	Multiple NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
ANSYS® Discovery	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000 / Quadro GV100
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
ANSYS Workbench™, AIM, EnSight, LS-PrePost	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
ANSYS Mechanical, ANSYS Fluent and ANSYS HFSS	Desktop	Quadro GV100	Quadro GV100	2x Quadro GV100
	Mobile#1	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
ANSYS HFSS SBR+	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
ANSYS SPEOS	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Autodesk® 3ds Max®	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Autodesk AutoCAD®	Desktop	NVIDIA T1000 8GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500
	Mobile	NVIDIA T550	NVIDIA T1200	NVIDIA RTX A3000
Autodesk Fusion 360	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Autodesk Netfabb 2018	Desktop	NVIDIA T1000 8GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500
	Mobile	NVIDIA T1200	NVIDIA T1200	NVIDIA T1200
Autodesk Inventor®	Desktop	NVIDIA T1000 8GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500
	Mobile	NVIDIA T1200	NVIDIA RTX A3000	NVIDIA RTX A5000
Autodesk VRED	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Beta CAE ANSA, META	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
COMSOL	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000

DESIGN/ENGINEERING/ MANUFACTURING

		GOOD	BETTER	BEST
Dassault Systèmes 3DEXCITE DELTAGEN / DELTAVIEW	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Dassault Systèmes CATIA V5-6 and 3DEXPERIENCE	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Dassault Systèmes CATIA Live Rendering	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Dassault Systèmes SIMULIA CST STUDIO	Desktop	NVIDIA RTX A6000	NVIDIA RTX A6000	Quadro GV100
	Mobile	NVIDIA RTX A4000	NVIDIA RTX A5000	NVIDIA RTX A5000
Dassault Systèmes SIMULIA Abaqus	Desktop	Quadro GV100	Quadro GV100	2x Quadro GV100
	Mobile ¹	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Dassault Systèmes SIMULIA PowerViz	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Dassault Systèmes SOLIDWORKS	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA T1200	NVIDIA RTX A4000	NVIDIA RTX A5000
Dassault Systèmes SOLIDWORKS Visualize²	Desktop	NVIDIA RTX A4500	NVIDIA RTX A6000	2x NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
ESI Group IC.IDO	Desktop	NVIDIA RTX A6000	2x NVIDIA RTX A6000	2x NVIDIA RTX A6000
	Mobile	NVIDIA RTX A4000	NVIDIA RTX A5000	NVIDIA RTX A5000
Lumiscaphe P3D Design	Desktop	NVIDIA RTX A6000	Quadro RTX 8000	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A4000	NVIDIA RTX A5000	NVIDIA RTX A5000
MSC Apex Generative Design	Desktop	Quadro GV100	Quadro GV100	Quadro GV100
	Mobile	Not Applicable	Not Applicable	Not Applicable
MathWorks MATLAB	Desktop	Quadro GV100	Quadro GV100	2x Quadro GV100
	Mobile	NVIDIA RTX A5000	NVIDIA RTX A5000	NVIDIA RTX A5000
Hexagon/MSC Nastran	Desktop	Quadro GV100	Quadro GV100	2x Quadro GV100
	Mobile	Not Applicable	Not Applicable	Not Applicable
Hexagon/MSC Patran, Apex, ADAMS	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA T600	NVIDIA T1200	NVIDIA RTX A4000
PTC Creo	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA T1200	NVIDIA RTX A4000	NVIDIA RTX A5000
PTC Creo Simulation Live	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000 / Quadro GV100
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
PTC Creo Generative Topology Optimization Extension (GTO)	Desktop	NVIDIA RTX A4500	NVIDIA RTX A6000	Quadro GV100
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Siemens Simcenter 3D STAR-CCM+, and FEMAP	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Siemens NX	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Siemens NX + Ray Traced Studio (Iray)	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Siemens Solid Edge	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA T1200	NVIDIA RTX A4000	NVIDIA RTX A5000
Siemens NX Nastran	Desktop	Quadro GV100	Quadro GV100	2x Quadro GV100
	Mobile	Not Applicable	Not Applicable	Not Applicable

VIRTUAL REALITY VIEWER (VR VIEWER)

ANSYS VRXPERIENCE	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A4000	NVIDIA RTX A5000	NVIDIA RTX A5000
Autodesk Live	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Beta CAE Meta VR	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Dassault Systèmes eDrawings Pro VR	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Luxion KeyShot KeyVR	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Siemens NX VR, Process Simulate VR, Teamcenter VR	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000

ARCHITECTURE/ENGINEERING/ CONSTRUCTION

		GOOD	BETTER	BEST
Autodesk 3ds Max®	Desktop	NVIDIA RTX A4500	NVIDIA RTX A6000	Up to 3x NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Autodesk AutoCAD®	Desktop	NVIDIA T1000 8GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500
	Mobile	NVIDIA RTX T550	NVIDIA RTX T1200	NVIDIA RTX A3000
Autodesk ReCap 360	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Autodesk Revit®	Desktop	NVIDIA RTX T1000 8GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500
	Mobile	NVIDIA RTX T600	NVIDIA RTX T1200	NVIDIA RTX A3000
Bentley ContextCapture	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Bentley LumenRT	Desktop	NVIDIA RTX A4500	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Bentley MicroStation	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Enscape Enscape3d	Desktop	NVIDIA RTX A4500	NVIDIA RTX A6000	Up to 3x NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Hexagon/BricsCAD	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Hexagon Geospatial ERDAS IMAGINE	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Hexagon Geospatial ImagineStation	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Luciad Lightspeed	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
McNeel RHINO	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Nemetschek Allplan	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Nemetschek Graphisoft ArchiCAD	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Nemetschek Vectorworks	Desktop	NVIDIA T1000 8GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500
	Mobile	NVIDIA T600	NVIDIA T1200	NVIDIA RTX A4000
Trimble Sketchup Pro	Desktop	NVIDIA T1000 8GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500
	Mobile	NVIDIA T550	NVIDIA T1200	NVIDIA RTX A4000

MODELING / ANIMATION / VISUALIZATION / EFFECTS

Adobe After Effects	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Adobe Dimension	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Autodesk 3ds Max	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Autodesk Arnold	Desktop	NVIDIA RTX A6000	NVIDIA RTX A6000	2x NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Autodesk Maya®	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Chaos V-Ray GPU	Desktop	NVIDIA RTX A4500	NVIDIA RTX A6000	Multiple NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Foundry NUKE	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Luxion KeyShot	Desktop	NVIDIA RTX A4500	NVIDIA RTX A6000	2x NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Maxon CINEMA 4D	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Otoy Octane	Desktop	NVIDIA RTX A4500	NVIDIA RTX A6000	Multiple NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
NewTek Lightwave™	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA T1200	NVIDIA RTX A4000	NVIDIA RTX A5000
Redshift Renderer	Desktop	NVIDIA RTX A4500	NVIDIA RTX A6000	Multiple NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
SideFX Houdini	Desktop	NVIDIA RTX A6000	2x NVIDIA RTX A6000	Multiple NVIDIA RTX A6000
	Mobile	NVIDIA RTX A4000	NVIDIA RTX A5000	NVIDIA RTX A5000
Substance 3D Stager	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000

VIDEO EDITING

		GOOD	BETTER	BEST
Adobe Media Encoder	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Adobe Premiere Pro	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Autodesk Flame	Desktop	NVIDIA RTX A6000	NVIDIA RTX A6000	2x NVIDIA RTX A6000
	Mobile	NVIDIA RTX A4000	NVIDIA RTX A5000	NVIDIA RTX A5000
Avid® Media Composer®	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
Blackmagic Design DaVinci	Desktop	NVIDIA RTX A4500	NVIDIA RTX A6000	Multiple NVIDIA RTX A6000
	Mobile	NVIDIA RTX A4000	NVIDIA RTX A5000	NVIDIA RTX A5000
ColorFront Transkoder & On-Set	Desktop	NVIDIA RTX A6000	NVIDIA RTX A6000	Multiple NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
FilmLight Baselight	Desktop	NVIDIA RTX A4500	NVIDIA RTX A6000	2x NVIDIA RTX A6000
	Mobile	NVIDIA RTX A4000	NVIDIA RTX A5000	NVIDIA RTX A5000
Grass Valley Edius®	Desktop	NVIDIA T1000 8 GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500
	Mobile	NVIDIA T550	NVIDIA T1200	NVIDIA RTX A4000
Magix Vegas Pro™	Desktop	NVIDIA T1000 8GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500
	Mobile	NVIDIA T1200	NVIDIA RTX A3000	NVIDIA RTX A4000
RED Digital Cinema REDCINE-X PRO	Desktop	NVIDIA RTX A4500	NVIDIA RTX A6000	2x NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000

IMAGE EDITING / ARTISTIC DESIGN

Adobe Photoshop	Desktop	NVIDIA T1000 8GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500
	Mobile	NVIDIA T550	NVIDIA T1200	NVIDIA RTX A3000
Adobe Illustrator	Desktop	NVIDIA T1000 8GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500
	Mobile	NVIDIA T550	NVIDIA T1200	NVIDIA RTX A3000
Substance 3d Sampler	Desktop	NVIDIA RTX A4500	2x NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A4000	NVIDIA RTX A5000	NVIDIA RTX A5000
Substance 3D Designer	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA T1200	NVIDIA RTX A4000	NVIDIA RTX A5000
Substance 3D Painter	Desktop	NVIDIA RTX A4500	2x NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A4000	NVIDIA RTX A5000	NVIDIA RTX A5000

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 customer contact their software provider for the latest information on application certifications and support.



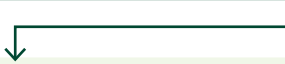
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More Solutions for Professionals

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*				BACKGROUND AND ADVANTAGES
Are you...	Work Environment	GOOD	BETTER	BEST		
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, customer will need a dedicated graphics card.	DESKTOP	NVIDIA T400 4GB	NVIDIA T1000 8GB	NVIDIA T1000 8GB	All cards support up to four displays. For additional or high-resolution displays, recommend T1000 8GB. T1000 8GB provides an additional port, increased performance, and more memory. T1000 8GB includes more CUDA Cores and higher single-precision performance.
		MOBILE**	NVIDIA T600			
Using Linux?	Are you driving a single display? Yes: Tends to be for a compute solution. No: Is this for high-resolution display or video wall?	DESKTOP	NVIDIA T400 4GB	NVIDIA T1000 8GB	NVIDIA T1000 8GB	For additional or high-resolution displays, recommend T1000 8GB, which provides an additional port, increased performance, and more memory. T1000 8GB includes more CUDA Cores and higher single-precision performance.
		MOBILE**	NVIDIA T600			
Using 4K displays?	No? Do you plan on using 4K displays in the future?	DESKTOP	NVIDIA T400 4GB	NVIDIA T1000 8GB	NVIDIA T1000 8GB	Future-proof your customers, so they have all the frame buffer memory for using higher resolution displays. T1000 8GB provides an additional port, increased performance, more memory, and includes more CUDA Cores and higher single-precision performance.
		MOBILE**	NVIDIA T600			
Building a video wall or using for digital signage? Do you need to drive 8 displays or more?			2x NVIDIA T1000 8GB	2x NVIDIA RTX A4500	2x NVIDIA RTX A6000	Two cards are needed if driving eight displays. RTX A4500 allows use of Quadro Sync II and NVIDIA Mosaic multi-display technology, and the user gets 20GB of memory and error correcting code (ECC). RTX A6000 provides 48GB of memory.
Currently using or have you used an older P-Series?	If yes, your customer has an environment that uses multiple displays.					
	Ask your customer which graphics card they use and look below for recommendations					
	Are you using P400?		NVIDIA T400 4GB	NVIDIA T1000 8GB	NVIDIA T1000 8GB	Advantages of T1000 8GB includes more CUDA Cores and higher single-precision performance.
	Are you using P620?		T1000 8GB			T1000 8GB has the same number of ports, but the user gets enhanced single-precision performance.
Are you using P2200?		2x NVIDIA T1000 8GB	2x NVIDIA RTX A4500	2x NVIDIA RTX A6000	Two cards are needed if driving eight displays. RTX A4500 allows use of Quadro Sync II and NVIDIA Mosaic multi-display technology, and the user gets 20GB of memory and error correcting code (ECC). RTX A6000 provides 48GB of memory.	

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

**Check with 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 RTX professional 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 RTX professional graphics cards and NVIDIA RTX enterprise 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 RTX Desktop Manager software** features a full suite of display management tools like flexible window snapping, user profiles, window management, and hotkey support.
- > **NVIDIA RTX Experience** delivers productivity tools such as the ability to record video at up to 8K, automatic alerts for driver update, gaming features, and application optimization.
- > **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 NVIDIA RTX and Quadro graphics cards. Enable the "Game Development" profile if any unexpected results occur while gaming.