



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.**

1

### 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?



2

### 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.

3

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

## DESIGN/ENGINEERING/MANUFACTURING

<b>Altair® HyperWorks®</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Altair AcuSolve®</b>	Desktop	NVIDIA RTX A4500	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Altair ultraFluidX®, Altair</b>	Desktop	2x NVIDIA RTX A6000	4x NVIDIA RTX A6000	4x NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Altair OptiStruct</b>	Desktop	Quadro GV100	Quadro GV100	Quadro GV100
	Mobile	Not Applicable	Not Applicable	Not Applicable
<b>Altair Thea Render®</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	Multiple NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>ANSYS® Discovery</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000 / Quadro GV100
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>ANSYS Workbench™, AIM, EnSight, LS-PrePost</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>ANSYS Mechanical, ANSYS Fluent and ANSYS HFSS</b>	Desktop	Quadro GV100	Quadro GV100	2x Quadro GV100
	Mobile#1	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>ANSYS HFSS SBR+</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>ANSYS SPEOS</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Autodesk® 3ds Max®</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Autodesk AutoCAD®</b>	Desktop	NVIDIA T1000 8GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500
	Mobile	NVIDIA T550	NVIDIA T1200	NVIDIA RTX A3000
<b>Autodesk Fusion 360</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Autodesk Netfabb 2018</b>	Desktop	NVIDIA T1000 8GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500
	Mobile	NVIDIA T1200	NVIDIA T1200	NVIDIA T1200
<b>Autodesk Inventor®</b>	Desktop	NVIDIA T1000 8GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500
	Mobile	NVIDIA T1200	NVIDIA RTX A3000	NVIDIA RTX A5000
<b>Autodesk VRED</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Beta CAE ANSA, META</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>COMSOL</b>	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
<b>Dassault Systèmes 3DEXCITE DELTAGEN / DELTAVIEW</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Dassault Systèmes CATIA V5-6 and 3DEXPERIENCE</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Dassault Systèmes CATIA Live Rendering</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Dassault Systèmes SIMULIA CST STUDIO</b>	Desktop	NVIDIA RTX A6000	NVIDIA RTX A6000	Quadro GV100
	Mobile	NVIDIA RTX A4000	NVIDIA RTX A5000	NVIDIA RTX A5000
<b>Dassault Systèmes SIMULIA Abaqus</b>	Desktop	Quadro GV100	Quadro GV100	2x Quadro GV100
	Mobile <sup>1</sup>	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Dassault Systèmes SIMULIA PowerViz</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Dassault Systèmes SOLIDWORKS</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA T1200	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Dassault Systèmes SOLIDWORKS Visualize<sup>2</sup></b>	Desktop	NVIDIA RTX A4500	NVIDIA RTX A6000	2x NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>ESI Group IC.IDO</b>	Desktop	NVIDIA RTX A6000	2x NVIDIA RTX A6000	2x NVIDIA RTX A6000
	Mobile	NVIDIA RTX A4000	NVIDIA RTX A5000	NVIDIA RTX A5000
<b>Lumiscaphe P3D Design</b>	Desktop	NVIDIA RTX A6000	Quadro RTX 8000	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A4000	NVIDIA RTX A5000	NVIDIA RTX A5000
<b>MSC Apex Generative Design</b>	Desktop	Quadro GV100	Quadro GV100	Quadro GV100
	Mobile	Not Applicable	Not Applicable	Not Applicable
<b>MathWorks MATLAB</b>	Desktop	Quadro GV100	Quadro GV100	2x Quadro GV100
	Mobile	NVIDIA RTX A5000	NVIDIA RTX A5000	NVIDIA RTX A5000
<b>Hexagon/MSC Nastran</b>	Desktop	Quadro GV100	Quadro GV100	2x Quadro GV100
	Mobile	Not Applicable	Not Applicable	Not Applicable
<b>Hexagon/MSC Patran, Apex, ADAMS</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA T600	NVIDIA T1200	NVIDIA RTX A4000
<b>PTC Creo</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA T1200	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>PTC Creo Simulation Live</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000 / Quadro GV100
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>PTC Creo Generative Topology Optimization Extension (GTO)</b>	Desktop	NVIDIA RTX A4500	NVIDIA RTX A6000	Quadro GV100
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Siemens Simcenter 3D STAR-CCM+, and FEMAP</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Siemens NX</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Siemens NX + Ray Traced Studio (Iray)</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Siemens Solid Edge</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA T1200	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Siemens NX Nastran</b>	Desktop	Quadro GV100	Quadro GV100	2x Quadro GV100
	Mobile	Not Applicable	Not Applicable	Not Applicable

## VIRTUAL REALITY VIEWER (VR VIEWER)

<b>ANSYS VRXPERIENCE</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A4000	NVIDIA RTX A5000	NVIDIA RTX A5000
<b>Autodesk Live</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Beta CAE Meta VR</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Dassault Systèmes eDrawings Pro VR</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Luxion KeyShot KeyVR</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Siemens NX VR, Process Simulate VR, Teamcenter VR</b>	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
<b>Autodesk 3ds Max®</b>	Desktop	NVIDIA RTX A4500	NVIDIA RTX A6000	Up to 3x NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Autodesk AutoCAD®</b>	Desktop	NVIDIA T1000 8GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500
	Mobile	NVIDIA RTX T550	NVIDIA RTX T1200	NVIDIA RTX A3000
<b>Autodesk ReCap 360</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Autodesk Revit®</b>	Desktop	NVIDIA RTX T1000 8GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500
	Mobile	NVIDIA RTX T600	NVIDIA RTX T1200	NVIDIA RTX A3000
<b>Bentley ContextCapture</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Bentley LumenRT</b>	Desktop	NVIDIA RTX A4500	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Bentley MicroStation</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Enscape Enscape3d</b>	Desktop	NVIDIA RTX A4500	NVIDIA RTX A6000	Up to 3x NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Hexagon/BricsCAD</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Hexagon Geospatial ERDAS IMAGINE</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Hexagon Geospatial ImagineStation</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Luciad Lightspeed</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>McNeel RHINO</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Nemetschek Allplan</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Nemetschek Graphisoft ArchiCAD</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Nemetschek Vectorworks</b>	Desktop	NVIDIA T1000 8GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500
	Mobile	NVIDIA T600	NVIDIA T1200	NVIDIA RTX A4000
<b>Trimble Sketchup Pro</b>	Desktop	NVIDIA T1000 8GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500
	Mobile	NVIDIA T550	NVIDIA T1200	NVIDIA RTX A4000

## MODELING / ANIMATION / VISUALIZATION / EFFECTS

<b>Adobe After Effects</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Adobe Dimension</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Autodesk 3ds Max</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Autodesk Arnold</b>	Desktop	NVIDIA RTX A6000	NVIDIA RTX A6000	2x NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Autodesk Maya®</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Chaos V-Ray GPU</b>	Desktop	NVIDIA RTX A4500	NVIDIA RTX A6000	Multiple NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Foundry NUKE</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Luxion KeyShot</b>	Desktop	NVIDIA RTX A4500	NVIDIA RTX A6000	2x NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Maxon CINEMA 4D</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Otoy Octane</b>	Desktop	NVIDIA RTX A4500	NVIDIA RTX A6000	Multiple NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>NewTek Lightwave™</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA T1200	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Redshift Renderer</b>	Desktop	NVIDIA RTX A4500	NVIDIA RTX A6000	Multiple NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>SideFX Houdini</b>	Desktop	NVIDIA RTX A6000	2x NVIDIA RTX A6000	Multiple NVIDIA RTX A6000
	Mobile	NVIDIA RTX A4000	NVIDIA RTX A5000	NVIDIA RTX A5000
<b>Substance 3D Stager</b>	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
<b>Adobe Media Encoder</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Adobe Premiere Pro</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Autodesk Flame</b>	Desktop	NVIDIA RTX A6000	NVIDIA RTX A6000	2x NVIDIA RTX A6000
	Mobile	NVIDIA RTX A4000	NVIDIA RTX A5000	NVIDIA RTX A5000
<b>Avid® Media Composer®</b>	Desktop	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500	NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>Blackmagic Design DaVinci</b>	Desktop	NVIDIA RTX A4500	NVIDIA RTX A6000	Multiple NVIDIA RTX A6000
	Mobile	NVIDIA RTX A4000	NVIDIA RTX A5000	NVIDIA RTX A5000
<b>ColorFront Transkoder &amp; On-Set</b>	Desktop	NVIDIA RTX A6000	NVIDIA RTX A6000	Multiple NVIDIA RTX A6000
	Mobile	NVIDIA RTX A3000	NVIDIA RTX A4000	NVIDIA RTX A5000
<b>FilmLight Baselight</b>	Desktop	NVIDIA RTX A4500	NVIDIA RTX A6000	2x NVIDIA RTX A6000
	Mobile	NVIDIA RTX A4000	NVIDIA RTX A5000	NVIDIA RTX A5000
<b>Grass Valley Edius®</b>	Desktop	NVIDIA T1000 8 GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500
	Mobile	NVIDIA T550	NVIDIA T1200	NVIDIA RTX A4000
<b>Magix Vegas Pro™</b>	Desktop	NVIDIA T1000 8GB	NVIDIA RTX A2000 12GB	NVIDIA RTX A4500
	Mobile	NVIDIA T1200	NVIDIA RTX A3000	NVIDIA RTX A4000
<b>RED Digital Cinema REDCINE-X PRO</b>	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

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



Please visit [www.gpugenius.com](http://www.gpugenius.com) to find:

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

## 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		
<b>Using Windows 10?</b> 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			
<b>Using Linux?</b>	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			
<b>Using 4K displays?</b>	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			
<b>Building a video wall or using for digital signage? Do you need to drive 8 displays or more?</b>			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.
<b>Currently using or have you used an older P-Series?</b>	<b>If yes, your customer has an environment that uses multiple displays.</b>					
	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.