



WHY NVIDIA QUADRO QUICK REFERENCE GUIDE

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ARCHITECTURE, ENGINEERING + CONSTRUCTION

BRINGING NEW EFFICIENCIES TO THE DESIGN, REVIEW AND CONSTRUCTION PROCESS

- Building information modeling (BIM) is much more than next generation CAD for architects. Quadro provides the graphics performance necessary to visually interact with all facets of BIM and allows architects to offer new services to clients.
- Virtual reality is reshaping the AEC market from initial design concept to collaborative client reviews and virtual walkthroughs. Projects utilizing VR technology are seeing a significant reduction in the number of design issues and helps prevent time and cost overruns.
- Physically Based Rendering (PBR) and Generative design facilitated by Quadro GPUs are changing the face and architectural design.
- NVIDIA VR Ready Quadro GPUs deliver the level of performance and capabilities (90 frames per second (fps) with a latency of less than 20 milliseconds) required for the best VR experiences across professional applications.

MANUFACTURING

ACCELERATING DESIGN AND MANUFACTURING WORKFLOWS

- Quadro is certified by more than 100 leading CAD/CAE ISVs.
- Pascal architecture performance powers advanced robotics, autonomous vehicles, virtual reality and photorealistic rendering.
- Design and simulate products across industries ranging from automotive to aerospace to consumer electronics.
- AI for generative (evolutionary) design software – realize novel designs that improve performance or reduce costs.
- VR multi-user collaboration spaces like NVIDIA Holodeck are redefining design reviews and remote collaboration.

MEDIA & ENTERTAINMENT

BRING CREATIONS TO LIFE ANYTIME, ANYWHERE

- Adobe® Creative Cloud®, Autodesk 3ds Max® and Maya®, Foundry Nuke and many more M&E applications work best on Quadro GPUs.
- Quadro GPUs power the most advanced and visually rich film and television productions ever created.
- Quadro GPUs have been behind every single movie nominated for the Best Visual Effects Oscar for nine years running.
- Quadro GPUs feature GPU performance and memory to edit 4K video or create complex effects with realistic physics and lifelike detail.
- AI, simulation, rendering and realtime technologies continue to propel the future of storytelling.

For more information, contact a PNY Account Manager at 1-888-333-3657 or email: GOPNY@PNY.COM or visit WWW.PNY.COM/QUADRO