



## SEE THE BIG PICTURE NVIDIA® QUADRO® PLEX 7000 EXPONENTIALLY BETTER

Whether you are searching for and extracting oil or designing and bringing the next luxury vehicle to market, you are faced with a mountain of data that needs to be distilled into meaningful visualizations.

In an increasingly competitive landscape, you need to deliver results better, faster, and more cost-effective than ever before. Professionals can meet these aggressive demands with the NVIDIA® Quadro® Plex 7000, built on the innovative NVIDIA® Fermi architecture.



Featuring NVIDIA® Mosaic™ technology, the Quadro Plex 7000 solution lets you easily configure a multiple display desktop, a 4K panel, multiple projectors, or expansive power walls, without sacrificing performance. Span any application seamlessly across up to eight high-resolution displays and visualize large datasets, including in immersive stereoscopic 3D. By deploying Quadro Plex solutions throughout an enterprise, professionals can create collaboration and interpretation environments for faster time to insight.

As a multi-GPU solution, the Quadro Plex 7000 delivers advanced capabilities, providing a visual supercomputer at your desktop. Get the computational and rendering power of the latest Quadro GPUs in an ultra-dense configuration. As the only professional-class GPU to feature the CUDA parallel processing architecture, ECC memory and fast double precision, Quadro GPUs are designed to run computationally intensive applications such as ray tracing, video processing and computational fluid dynamics. Quadro can process an unheard of 1.3 billion triangles per second, shattering previous 3D performance benchmarks. With Quadro, your work flows — design, iterate and deliver higher quality results in less time.



### PRODUCT SPECIFICATIONS

- # NVIDIA QUADRO GPUS
  - > 2
- TOTAL FRAME BUFFER
  - > 12 GB (6 GB/GPU)
- CUDA™ PARALLEL PROCESSING
  - CORES
    - > 1024
- DISPLAY CHANNELS
  - > 4 dual-link DVI
- SHADER MODEL
  - > 5.0
- NVIDIA® CUDA™ SUPPORT
  - > Yes
- NVIDIA® QUADRO® G-SYNC
  - ENABLED
    - > Yes
- GENLOCK/FRAME LOCK SUPPORT
  - > Yes
- FRAME SYNCHRONIZATION
  - > Yes
- MAXIMUM FULL SCENE ANTI-ALIASING (FSAA) PER CHANNEL
  - > 128x SLI FSAA
- HOST CONNECTION
  - > PCI Express x16, Small Form Factor, Passive (10W)
- POWER
  - > 480W Max
- ACOUSTICS
  - > 40dB
- FORM FACTOR
  - > Desktop (5.84" H x 8.48" W x 20.17" D) or 3U Rack Mount (3U H x 8.5" W x 20.17" D)

## NVIDIA® QUADRO® PLEX 7000

Key Features	Benefits
VISUALIZE MASSIVE 3D MODELS AND DATA SETS	Providing advanced interactivity and realism of the most demanding applications and data sets, Quadro Plex 7000 features dual Quadro GPUs for a combined 12 GB of graphics memory. Scale performance even further by connecting two Quadro Plex systems, with a total 24 GB of memory, to a single workstation.
FLEXIBLE SOLUTION DRIVES MANY DISPLAY CONFIGURATIONS	Quadro Plex 7000 provides flexibility to create environments based on a wide range of needs - from a single 4K display or projector to an eight display configuration.
EASY DEPLOYMENT ACROSS MANY ENVIRONMENTS	Professionals can construct affordable collaboration and interpretation environments throughout an enterprise and gain faster time to insight.
TURNKEY HIGH-RESOLUTION, VISUALIZATION DISPLAY SOLUTIONS	Quadro Plex 7000 provides the flexibility to be set up with any certified PCI Express® x16 platform and is certified on the industry's leading professional applications. The optional rack mount kit enables Quadro Plex systems to be installed within any standard 19" rack environment <sup>1</sup> and only take up 3U of vertical space.

## TECHNICAL SPECIFICATIONS

### SUPPORTING PLATFORMS

- > NVIDIA Quadro® Plex officially certified system or platform
- > Microsoft® Windows® 7 (64-bit and 32-bit)
- > Microsoft® Windows® XP (64-bit and 32-bit)
- > Microsoft Windows Vista (64-bit and 32-bit)
- > Linux® - Hardware OpenGL® implementation NVIDIA and ARB extensions (64-bit and 32-bit)

### NVIDIA QUADRO GPU ARCHITECTURE

- > 128-bit color precision (IEEE fp32 bit per component)
- > 3D volumetric texture support
- > Fully programmable GPU (OpenGL4.1/DirectX 11)
- > Shader Model 5.0
- > NVIDIA® CUDA™ enabled- C Programming Environment

### DISPLAY RESOLUTION SUPPORT

- > Analog displays up to 2560x1600 @ 60 Hz
- > Dual-link DVI-I outputs - drive digital displays at resolutions up to 2560x1600 @ 60 Hz
- > Native support for many 4K projectors and panels.

### PRODUCT DETAILS

- > Quiet operation (40dB) suitable for office environment
- > Connects to host via cabling to a low power
- > PCI Express x8 or x16 adapter card (PCIe 2.0 Compliant)
- > Optional rack mount kit

Where to Buy | [www.nvidia.com/quadroplex](http://www.nvidia.com/quadroplex)