# REAL INTERACTIVE EXPRESSION
NVIDIA® QUADRO® M6000

Get real interactive expression with NVIDIA® Quadro®—the world's most powerful workstation graphics.

The NVIDIA Quadro M6000, accelerated by NVIDIA's Maxwell™ GPU architecture, lets you conquer your most challenging visualization workloads with ease and enjoy interactive physically based rendering of your work. 12 GB of GDDR5 GPU memory with ultra-fast bandwidth allows you to create and render large, complex models and compute massive datasets. Plus, there's the all-new display engine that drives up to four 4K-resolution displays natively with DisplayPort 1.2 support for ultra-high resolutions like 4096 x 2160 @ 60 Hz with 30-bit color. Synchronize multiple displays across systems with the Quadro Sync board and accelerate data transfer with external I/O boards through GPUDirect™ for Video and dual-copy engines.

Quadro cards are certified with a broad range of sophisticated professional applications, tested by leading workstation manufacturers, and backed by a global team of support specialists, This gives you the peace of mind to focus on doing your best work. Whether you're developing revolutionary products or telling spectacularly vivid visual stories, Quadro gives you the performance to do it brilliantly.

FEATURES

> Four DisplayPort 1.2 Connectors
> DisplayPort with Audio
> One DVI-I Dual-Link Connector
> VGA Support[1]
> 3D Stereo Support[1]
> NVIDIA GPUDirect™ Support
> Quadro Sync Compatibility
> Stereo Connector
> NVIDIA nView® Desktop Management Software Compatibility
> HDCP Support
> NVIDIA Mosaic[2]
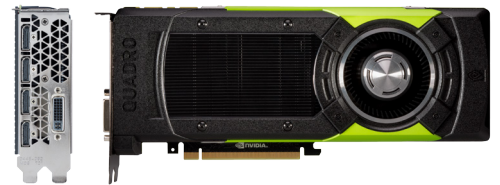
SPECIFICATIONS

GPU Memory	**12 GB GDDR5**
Memory Interface	**384-bit**
Memory Bandwidth	**317 GB/s**
NVIDIA CUDA® Cores	**3072**
System Interface	**PCI Express 3.0 x16**
Max Power Consumption	**250 W**
Thermal Solution	**Ultra-Quiet Active Fansink**
Form Factor	**4.4" H × 10.5" L, Dual Slot, Full Height**
Display Connectors	**4x DP 1.2 + DVI-I DL**
Max Simultaneous Displays	**4 direct, 4 DP 1.2 Multi-Stream**
Max DP 1.2 Resolution	**4096 × 2160 at 60 Hz**
Max DVI-I DL Resolution	**2560 × 1600 at 60 Hz**
Max DVI-I SL Resolution	**1920 × 1200 at 60 Hz**
Max VGA Resolution	**2048 × 1536 at 85 Hz**
Graphics APIs	**Shader Model 5.0, OpenGL 4.5[3], DirectX 12.0[4]**
Compute APIs	**CUDA, DirectCompute, OpenCL™**