VIRTUALLY AMAZING GRAPHICS PERFORMANCE—ON DEMAND
NVIDIA® QUADRO® DRIVES MICROSOFT REMOTEFX

Boost productivity and savings across your enterprise. Take your professional graphics apps virtual with Quadro® and RemoteFX.

Remove the boundaries to rich, vivid graphics power with Microsoft® RemoteFX™ and NVIDIA Quadro® GPUs. IT administrators can now easily and securely manage application and system resources while providing expanded access to a fully virtualized desktop environment—all through a centralized Quadro®-based datacenter.

BRING TRUE PROFESSIONAL GRAPHICS TO VDI

Microsoft RemoteFX enables a superior rich media experience for Virtual Desktop Infrastructure (VDI) never before possible in a virtualized environment. NVIDIA Quadro® graphics take advantage of this capability to power the rich media applications from the server—instead of the end-point device—providing users with enhanced graphics without having to upgrade to a higher class of device.

Clients that have traditionally been used in standard VDI situations can now immediately take advantage of a much richer experience. From Silverlight and Flash videos to the full Windows Aero look and feel, RemoteFX with Quadro® graphics enables a true hardware-accelerated graphics experience.

BOOST RESULTS AND MINIMIZE COSTS

Today's organizations are facing the increased adoption of video conferencing tools and rich-media content needed for everything from training to company meetings. This has led to users pushing back on the movement towards a VDI infrastructure for fear of losing the interactivity of a local system. Quadro® graphics hardware acceleration and advanced RemoteFX codecs address this challenge, making the transition to VDI a much more seamless experience for the user. Even multi-monitor configurations are supported.

Plus, RemoteFX and Quadro® enable multiple virtual desktops to share a single GPU on a Hyper-V server, saving the significant cost of deploying a graphics card to every user. Just add an NVIDIA® Tesla™ M2070Q graphics card to your VDI server for exceptional hardware graphics acceleration in your VDI environment. This GPU virtualization enables IT departments to optimize VDI cost savings while delivering a more fulfilling and productive experience to their users.

Tesla M2070Q

Quadro 6000

Quadro 5000

Quadro 4000

NVIDIA® QUADRO® REMOTEFX

EXPLORE POWERFUL OPTIONS TO MEET YOUR GRAPHICS DEMANDS

Run NVIDIA Quadro 4000, 5000 and 6000 professional graphics cards—as well as the NVIDIA Tesla M2070Q server graphics module on RemoteFX—to deliver improved graphics performance anywhere, on demand. The 6GB of graphics memory available on the Quadro 6000 and Tesla M2070Q means that you'll be able to support the maximum number of users available on a single graphics device for optimal density. Or, select the single-slot size of the Quadro 4000 to get more GPU density in certain servers optimized for single-slot cards.

Leading server OEMs—including Dell, HP, and IBM—are all supporting Microsoft RemoteFX capable platforms with NVIDIA Quadro® technology. Together, we're offering companies enterprise-class software and hardware reliability combined with NVIDIA GPU performance. This combination provides employees a much better user experience that can reduce costs and help increase productivity.

The NVIDIA Quadro® WHQL qualified drivers for Server 2008 R2 service pack 1 are available on the NVIDIA driver download page. Count on certified drivers and enterprise-class hardware to provide a reliable, IT-hardened solution while maintaining an excellent total cost of ownership (TCO).

	Quadro 6000	Tesla M2070Q	Quadro 5000	Quadro 4000
CUDA PARALLEL PROCESSING CORES	448		352	256
FRAME BUFFER MEMORY	6 GB GDDR5		2.5 GB GDDR5	2 GB GDDR5
MEMORY INTERFACE	384-bit		320-bit	256-bit
MEMORY BANDWIDTH	144 GB/s		120 GB/s	89.6 GB/s
MAX POWER CONSUMPTION	204 W		152 W	142 W
GRAPHICS BUS	PCI Express 2.0 x16		PCI Express 2.0 x16	PCI Express 2.0 x16
DISPLAY CONNECTORS	DL-DVI-I (1), DP (2), Stereo (1)	None	DL-DVI-I (1), DP (2), Stereo (1)	DL-DVI-I (1), DP (2), Stereo (1 optional)
THERMAL SOLUTION	Active	Passive	Active	Active

To learn more, visit **www.nvidia.com/remotefx**