



NextIO vCORE™ Express 2070Q

REMOTE DESKTOP COMPUTING SOLUTION FOR VDI

Highlights

Scalable

Supports up to 100 Microsoft Hyper-V® desktops

Rich Media Experience

Full Microsoft Windows® 3-D graphics and Aero® support

Peripheral Support

Adds USB to traditional VDI peripheral suite

High Performance

6 GB / GPU & 448 cores with 2 GPUs / server connection

Server Independent

Manage server and GPU lifecycles independently

Serviceable

Easy to remove, replace, or upgrade without opening servers

Designed to Accelerate Microsoft Hyper-V VDI

The NextIO vCORE™ Express 2070Q is designed to work hand in hand with your Microsoft desktop virtualization strategy to deliver a full rich media desktop experience without a penalty on CPU performance. When combined with Microsoft Hyper-V® desktop virtualization infrastructure, your VDI experience can now expand into the true desktop experience demanded by users.

Powerful and Scalable Solution

Supporting up to 100 virtual desktops, the vCORE Express 2070Q includes four Quadro® graphics-enhanced NVIDIA® Tesla™ M2070Q GPUs with 24GB of total GPU RAM in a standard 1U chassis. The vCORE Express 2070Q provides the rich and high performance remote desktop experience needed by today's power users.

The vCORE Express 2070Q achieves:

- Rich Media Desktop Experience – Allowing the virtual machines to use the processing power of the GPUs, VDI seats can now take advantage of the full Windows7® desktop environment including 3D graphics, Aero® support, and multiple monitors.
- More peripheral support – Traditional RDP left users with a very limited set of supported peripheral support. RemoteFX adds to the traditional peripherals by including USB support for the most common devices.
- Reduces CPU load – By putting the graphics load back on the GPU, the CPU load is now reduced to work on the problem and not the desktop experience.
- Extends the life of VDI deployments – New life can be brought to existing VDI hardware. With some of the CPU load shifted to the GPU and a better desktop experience being delivered, the existing hardware life can be extended.

Form Factor	1U 19" Chassis
Number of M2070Q GPUs	4 M2070Q (2 per server)
Total number of Virtual Machines	100 VMs (up to 25/GPU)
Total Dedicated Memory	24GB GDDR5 (6 per GPU)
Power Consumption	900W TDP (Typical)
System Interface	PCIe x16 Gen2

Product Ordering Information

SKU	Components	Description	For assistance in determining the correct configuration for your organization please contact NextIO at 1-877-7-NEXTIO or via email at info@nextio.com or contact your authorized NextIO reseller.
C210-MN2070Q-B	vCORE Express 2070Q	4 NVIDIA M2070Q GPUs Barebones w/ 3yr Warranty	
Option SKU	Option Components	Option Description	
HIC-X16A	P797 Gen2 PCIe x16 HIC	vCORE PCIe 2.0 x16 Active Host Interface Card (supports x16 cable lengths up to 2 meters)	
HIC-DX16A	P984 Gen2 PCIe x16 DHIC	Dual cable connect - PCIe 2.0 x16 Active Host Interface card (supports x16 cables lengths up to 2 meters)	
HIC-X8A	Gen2 PCIE x8 HIC	vCORE PCIe 2.0 x8 Active Host Interface Card (supports x16 cable lengths up to 2 meters)	
CAB-X1605M	0.5 Meter x16 to x16 Cable	vCORE 0.5 Meter x16 to x16 Cable	
CAB-X1620M	2 Meter x16 to x16 Cable	vCORE 2 Meter x16 to x16 Cable	

NextIO vCORE™ 2070Q Features and Benefits

Microsoft RemoteFX® Support for VDI	Microsoft RemoteFX® enables a superior rich media experience for Virtual Desktop Infrastructure (VDI) never before possible in a virtualized environment
NVIDIA Quadro®-class GPU's	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.
Enhanced VDI for Windows Clients	Clients that have traditionally been used in standard VDI situations can now immediately take advantage of a much richer experience.
Hardware Accelerated Graphics	From Silverlight® and Flash videos to the full Windows Aero® look and feel, RemoteFX® with Quadro® graphics enables a true hardware-accelerated graphics experience. .

Corporate Headquarters

8303 N. MoPac Expressway
Suite A-210
Austin, TX USA 78759
Phone: (512) 439-5350

