



NVIDIA GRID™ VIRTUALIZATION SOLUTIONS GUIDE



Virtualize desktops and applications without compromising the user experience. The NVIDIA compatibility guarantee ensures that virtualized users experience the same state-of-the-art graphics they have at their desk. NVIDIA GRID™ K1 and K2 boards enable GPU-capable virtualization solutions from Citrix, Microsoft, and VMware, delivering the flexibility to choose from a wide range of proven solutions.

Software Partners Solutions

	NVIDIA COMPATIBILITY GUARANTEE	APPLICATION CERTIFICATIONS	SUPPORTED INTERFACES
Virtualized Applications (Shared GPU)			
Citrix XenApp 6.5 with OpenGL add-on	✓		DirectX 9,10,11, OpenGL 4.4
Citrix XenApp 7.5			
Virtual Desktops (Shared GPU)			
Citrix XenServer 6.2 or higher and XenDesktop 7.1 with NVIDIA GRID™ vGPU™	✓	✓	DirectX 9,10,11, OpenGL 4.4
Microsoft RemoteFX in Windows Server 2012			DirectX 9,10,11, OpenGL 1.1
VMware Horizon View 5.1 or higher with vSGA ¹			DirectX 9, OpenGL 2.1
Virtual Workstations (Dedicated GPU with Pass-Through)			
Citrix XenDesktop 5.6 FP1			
Citrix XenDesktop 7 or higher	✓	✓	NVIDIA CUDA, DirectX 9,10,11, OpenGL 4.4
VMware View 5.3 with vDGA			

¹ Only compatible with VMware vSphere Hypervisor. Consult VMware for compatibility.

NVIDIA GRID™-Enabled OEM Platforms

OEM	PLATFORM	FORM FACTOR	MAX NVIDIA GRID BOARDS	MORE INFORMATION
Cisco	UCS C240 M3	2U	2 x K1 / 2 x K2	GRID K1 SKU: UCSC-GPU-VGXK1 GRID K2 SKU: UCSC-GPU-VGXK2 Installation Kit SKU: UCSC-GPUKIT1-C240
	UCS C460 M4	4U	2 x K1 / 2 x K2	GRID K1 SKU: UCSC-GPU-VGXK1 GRID K2 SKU: UCSC-GPU-VGXK2 Power Cable: UCSC-AUXCBL8-EX
Dell	PowerEdge R720	2U	2 x K1 / 2 x K2	GRID K1 SKU: 320-9699 (NVGK1) GRID K2 SKU: 320-9709 (NVGK2) Installation Kit SKU: 320-2883 (GPUICK)
	PowerEdge C8220X	4U	2 x K2 per node	1st GRID K2 SKU: 490-BBTD 2nd GRID K2 SKU: 490-BBTB Request GPGPU configuration
	PowerEdge T620	5U	2 x K1 / 3 x K2	
	Precision R7610	2U	3 x K2	
	PowerEdge VRTX	5U	1 x K2	
Fujitsu	Celsius C620	2U	1 x K2	
	Celsius R930	5U	2 x K1 / 3 x K2	
	Primergy RX350 S8	4U	2 x K1 / 2 x K2	
	Primergy TX300 S8	4U	2 x K1 / 2 x K2	
	Primergy CX270 S2	2U	1 x K1	
HP	ProLiant WS460c Gen8	10U	1 x K1 / 1 x K2 per blade	GRID K1 SKU: 730876-B21 GRID K2 SKU: 729851-B21 Enablement Kit for K2: 734206-B21 Up to 8 Graphics Expansion Blades: 684690-B21
	ProLiant SL250s Gen8	2U	3 x K2 per node	GRID K2 SKU: 729851-B21 Enablement Kit: 711947-B21 (one kit per card) ≥3 cards requires 4 x 1500W Power Supply Kits SKU: 684532-B21 Up to 4 nodes per server
	ProLiant SL270s Gen8 SE	4U	4 x K2 per node	GRID K2 SKU: 729851-B21 Enablement Kit: 711951-B21 (one kit per card) ≥3 cards requires 4 x 1,500W Power Supply Kits SKU: 684532-B21
	ProLiant DL380p Gen8	2U	2 x K1 / 2 x K2	GRID K1 SKU: 730876-B21 GRID K2 SKU: 753958-B21 Double wide cage kit for 1 x K1 SKU: 728543-B21 1200W Power supply SKU: 717359-B21
	DL380z Virtual Workstation	2U	2 x K2	GRID K1 SKU: 730876-B21 GRID K2 SKU: 753958-B21 Double wide cage kit for 1 x K1 SKU: 728543-B21 1,200W Power supply SKU: 717359-B21
IBM	iDataPlex dx360 M4	2U	2 x K1 / 2 x K2	GRID K1 Feature Code: A3GM GRID K2 Feature Code: A3GN
	Flex System	10U	1 x K1 / 1 x K2 per node	GRID K1 Feature Code: A4F1 GRID K2 Feature Code: A4F2 Up to 7 PCIe Expansion Nodes Feature Code: A1BV For use with x220 or x240 Compute nodes
	NeXtScale nx360 M4	6U	2 x K1 / 2 x K2 per node	Up to 6 GPU enabled nodes per chassis



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