



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	GRAPHICS APIS SUPPORTED	NVIDIA GRID K1	NVIDIA GRID K2
Virtualized Applications (Shared GPU)					
Citrix XenApp 6.5 with OpenGL add-on	✓		NVIDIA CUDA, DirectX 9,10,11, OpenGL 4.4	✓	✓
Citrix XenDesktop 7 with hosted-shared delivery					
Virtual Desktops (Shared GPU)					
Citrix XenServer 6.2 SP1 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 5.2 with vSGA ¹			DirectX 9, OpenGL 2.1	✓	✓
Virtual Workstations (Dedicated GPU with Pass-Through)					
Citrix XenDesktop 5.6 FP1	✓	✓	NVIDIA CUDA, DirectX 9,10,11, OpenGL 4.4	4 Users	2 High End Users
Citrix XenDesktop 7 with VDI delivery					
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
ASUS	ESC4000 G2	2U	2 x K1 / 4 x K2	www.asus.com/Commercial_Servers_Workstations/ESC4000_G2
	RS920-E7/RS8	2U	2 x K1 / 2 x K2	www.asus.com/Commercial_Servers_Workstations/RS920E7RS8/
	RS926-E7/RS8	2U	2 x K1 / 2 x K2	www.asus.com/Commercial_Servers_Workstations/RS926E7RS8/
	ESC4000/FDR G2	2U	2 x K1 / 4 x K2	www.asus.com/Commercial_Servers_Workstations/ESC4000FDR_G2/
Cisco	UCS C240 M3	2U	2 x K1 / 2 x K2	GRID K1 SKU: UCSC-GPU-VGK1 GRID K2 SKU: UCSC-GPU-VGK2 Installation Kit SKU: UCSC-GPUKIT1-C240 buildprice.cisco.com/catalog/ucs/models/C240M3/
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 (GPU1K) www.dell.com/us/business/p/poweredge-r720/pd?~ck=anav
	PowerEdge C8220X	4U	2 x K2 per node	www.dell.com/us/business/p/poweredge-c8220x/pd
Fujitsu	Celsius C620	2U	1 x K2	www.fujitsu.com/fts/products/computing/pc/workstations/advanced/celsius-c620/
	Celsius R930	5U	2 x K1 / 3 x K2	www.fujitsu.com/fts/products/computing/pc/workstations/superior/celsius-r930/
	Primergy RX350 S8	4U	2 x K1	www.fujitsu.com/fts/products/computing/servers/primergy/rack/rx350/
	Primergy TX300 S8	4U	2 x K1	www.fujitsu.com/fts/products/computing/servers/primergy/tower/tx300/
	Primergy CX270 S2	2U	1 x K1	www.fujitsu.com/fts/products/computing/servers/primergy/scale-out/cx270/
Hitachi	Hitachi Compute Blade 520H	6U	2 x K2	www.hds.com/products/compute-blade/compute-blade-500.html?WT.ac=us_mg_pro_cb500
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 h18000.www1.hp.com/products/quickspecs/14409_na/14409_na.pdf
	ProLiant SL250s Gen8	2U	3 x K2 per node	GRID K2 SKU: 729851-B21 Enablement Kit: 711947-B21 Up to 4 nodes per server h18000.www1.hp.com/products/quickspecs/14232_na/14232_na.pdf
	ProLiant SL270s Gen8 SE	4U	6 x K2 per node	GRID K2 SKU: 729851-B21 Enablement Kit: 711951-B21 h18000.www1.hp.com/products/quickspecs/14405_na/14405_na.pdf
Huawei	Tecal RH2288H V2	2U	1 x K1	enterprise.huawei.com/en/products/itapp/server/rh-series-rack-servers/hw-261421.htm
IBM	iDataPlex dx360 M4	2U	2 x K1 / 2 x K2	GRID K1 Feature Code: A3GM GRID K2 Feature Code: A3GN www.redbooks.ibm.com/abstracts/tips0878.html
	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 www.redbooks.ibm.com/abstracts/tips0906.html?Open
Inspur	NF5288K	2U	2 x K1 / 4 x K2	www.nvidia.com/buygrid
	NF5588M3	4U	2 x K1 / 4 x K2	www.nvidia.com/buygrid
Nutanix	NX-7110 [SYS-2027GR-TR2 based]	2U	2 x K1 / 3 x K2	www.nutanix.com/gpu-launch
Quanta	S210-X2A2J	2U	2 x K1 / 4 x K2	www.nvidia.com/buygrid
Sugon	I620-G15	2U	2 x K1 / 2 x K2	www.sugon.com/en/product/detail/productid/70.html
	W580I-G10	4U	2 x K1 / 4 x K2	www.sugon.com/en/product/detail/productid/103.html
Supermicro	SYS-1027GR-TRF	1U	2 x K1 / 3 x K2	www.supermicro.com/products/system/1U/1027/SYS-1027GR-TRF.cfm
	SYS-1027GR-TRF+	1U	2 x K1 / 3 x K2	www.supermicro.com/products/system/1U/1027/SYS-1027GR-TRF_.cfm
	SYS-1027GR-TRFT	1U	2 x K1 / 3 x K2	www.supermicro.com/products/system/1U/1027/SYS-1027GR-TRFT.cfm
	SYS-1027GR-TSF	1U	2 x K1 / 3 x K2	www.supermicro.com/products/system/1U/1027/SYS-1027GR-TSF.cfm
	SYS-1027GR-TR2	1U	2 x K1 / 3 x K2	www.supermicro.com/products/system/1U/1027/SYS-1027GR-TR2.cfm
	SYS-1027GR-TRFT+	1U	2 x K1 / 2 x K2	www.supermicro.com/products/system/1u/1027/sys-1027GR-TRFT_.cfm
	SYS-2027GR-TRF	2U	2 x K1 / 4 x K2	www.supermicro.com/products/system/2U/2027/SYS-2027GR-TRF.cfm
	SYS-2027GR-TRFT	2U	2 x K1 / 4 x K2	www.supermicro.com/products/system/2U/2027/SYS-2027GR-TRFT.cfm
	SYS-2027GR-TSF	2U	2 x K1 / 4 x K2	www.supermicro.com/products/system/2U/2027/SYS-2027GR-TSF.cfm
	SYS-2027GR-TR2	2U	2 x K1 / 3 x K2	www.supermicro.com/products/system/2U/2027/SYS-2027GR-TR2.cfm
	SYS-7047GR-TPRF	4U	2 x K1 / 4 x K2	www.supermicro.com/products/system/4u/7047/sys-7047gr-tprf.cfm
	SYS-F627G2-F73PT+ [Fat Twin]	4U	2 x K1 / 3 x K2	Up to 4 Nodes www.supermicro.com/products/system/4U/F627/SYS-F627G2-F73PT_.cfm
Tyan	FT77-AB7059	4U	4 x K2	www.tyan.com/Barebones_FT77AB7059_B7059F77AV6R-N4K2G
	TA77-B7061	2U	4 x K2	www.tyan.com/Barebones_TA77B7061_B7061T77W8HR

For more information, visit www.nvidia.com/buygrid