Accelerate Virtual Desktops and Applications

✓ **AutoCAD 2013/14**

✓ **Inventor 2013/14**

✓ **Revit 2013**

✓ **Bunkspeed SHOT 2013**

✓ **Bunkspeed Pro 2013**

✓ **Bunkspeed DRIVE 2013**

✓ **Creo**

✓ **Synerscope**

✓ **Insight Earth**

Image courtesy of NVIDIA

Did You Know..?

NVIDIA GRID™ technology has capabilities to allow the datacentre manager to deliver true PC graphics-rich experiences to more users for the first time.

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The NVIDIA GRID™ Systems

RZ-1240i-NVK1
RZ-1240i-NVK2
Features and Benefits

The VDI line of the Ready To Go range caters to the needs of even the most demanding of IT environments, ensuring an industry leading experience across the board.

Choose between the NVIDIA GRID™ K1 or K2 and make the most of user density with multiple users sharing a single GPU while reaping the rewards of incomparable PC performance and compatibility.

Say goodbye to the traditional lag experienced when interacting with a virtual machine with NVIDIA's patented low-latency remote display technology and add the most graphics-intensive users to virtual solutions.

Access critical applications from anywhere, any time, and explore highly responsive windows and rich multimedia experiences utilising the overwhelming power of NVIDIA GRID™ architecture and benefit from the Ready To Go promise of unprecedented performance to accelerate your virtual environment.
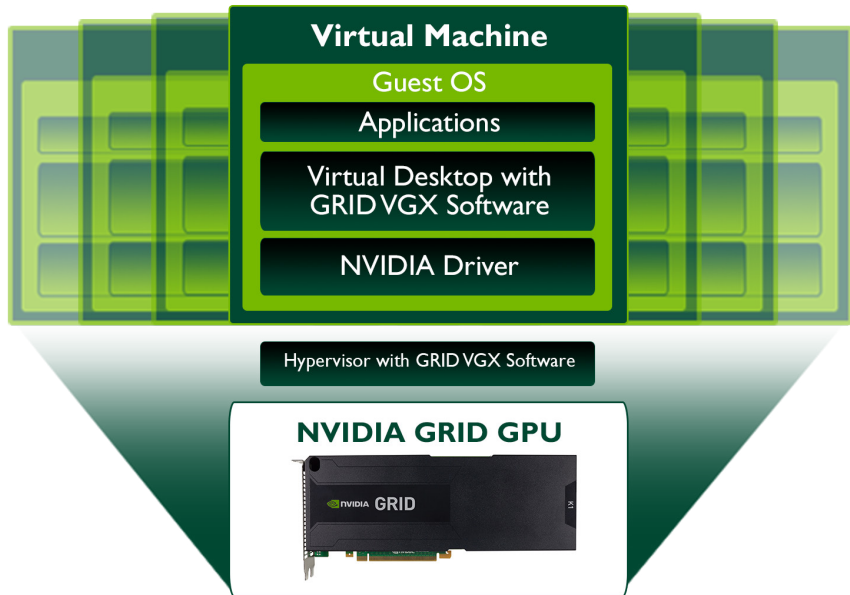
- Powered by the latest Intel® Xeon® E5-2600 v2 processor.

- Includes 4x Hot-swap 2.5" SATA3 Drive Bays for Mass Storage Expansion

- Featuring NVIDIA GRID™ K1 and K2 specifically designed to enable rich graphics in virtualised environments.

- Allows IT managers to leverage industry leading virtualisation solutions including Citrix, Microsoft and VMware

- 1800W Redundant Power Supplies designed to run at significantly higher efficiencies of up to 94%+, thus greatly reducing energy losses and the total cost of ownership.

- Optimized system architecture designed to take advantage of Supermicro's power saving technology to produce optimal cooling at all application levels.

3 years Warranty

intel inside™ XEON®

READY TO GO
SUPERMICRO®

1. Intel® Xeon® Processor E5-2600 v2 Series

2. Up to 1TB ECC DDR3, up to 1866MHz; 16x DIMM sockets

3. 4x PCI-E 3.0 x16 slots (supports up to 2x double width GPU/Xeon Phi cards), 1x PCI-E 3.0 x8 low-profile slot

4. Integrated IPMI 2.0 with KVM and Dedicated LAN

5. Intel® i350 Dual port GbE LAN

6. 1800W Redundant Power Supplies Platinum Level (94%+)

80 PLUS PLATINUM

Virtual Machine

Guest OS

Applications

Virtual Desktop with GRID VGX Software

NVIDIA Driver

Hypervisor with GRID VGX Software

NVIDIA GRID GPU

Specifications

System	RZ-1240i-NVK2 **Suitable for Designer/Engineer**	RZ-1240i-NVK1 **Suitable for Power & Knowledge User**
CPU	Intel® Xeon® Processor E5-2600 v2 Series Supplied with Dual E5-2680 v2 2.8 GHz 25M 8 GT/s (Ivy Bridge)	
GPU Card	Dual NVIDIA GRID™ K2 8GB GDDR5	Dual NVIDIA GRID™ K1 16GB GDDR5
Memory Capacity	256GB 1866 MHz ECC Registered Memory	
Hard Disk Drive	Supplied with 2 x 240GB Intel® S3500 SSD Supports 4 x 2.5" SATA HDD	Supplied with 2 x 240GB Intel® S3500 SSD Supports 4 x 2.5" SATA HDD
Controller Card	Supermicro Single port IB connectX (optional)	
Form Factor	1U Rackmount	
Power Supply	1800W (1+1) Redundant 1800W power supply with PMBus	

LAN	IPMI	USB	VGA	Raid Support	Rack Rails	Drive Trays	Power Cables
✓	✓	✓	✓	✓	✓	✓	✓

Supermicro Advantage

✓ **First to Market**

✓ **Application Optimized**

✓ **Industry Leading Power Efficiency**

✓ **No Hidden Costs**

✓ **Uncompromising Quality Control**

Software Partners

	NVIDIA Compatability Guarantee	Application Certifications	Graphic APIs Supported	GRID K1	GRID K2
Virtualized Applications **Citrix** Xen App 6.5 with OpenGL Add-on **Citrix** XenDesktop 7 Hosted-Shared delivery	✓		**NVIDIA CUDA** **DirectX 9,10,11** **OpenGL 4.3**		
Virtual Desktops **Citrix** XenDesktop FP1 with NVIDIA GRID vGPU1	✓	✓	**NVIDIA CUDA** **DirectX 9,10,11** **OpenGL 4.3**	✓	✓
Microsoft RemoteFX in Windows Server 2012			**DirectX 9,10,11** **OpenGL 1.1**	✓	✓
VMware Horizon View 5.2 with vSGA2			**DirectX 9** **OpenGL 2.1**	✓	✓
Virtual Remote Workstations **Citrix** XenDesktop 5.6 **Citrix** XenDesktop 7 VDI delivery	✓	✓	**NVIDIA CUDA** **DirectX 9,10,11** **OpenGL 4.3**	4 Users	2 Power Users

NVIDIA