



Applications anywhere without compromise



- Leverage industry-leading virtualization solutions
- Add the most graphics-intensive users to virtual solutions
- Improve the productivity of all users

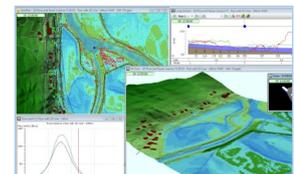
ac&e now enables you to take advantage of leading virtualization solutions. With our NVIDIA GRID™ partnership, you can add graphics-intensive users to your virtual environment, improving productivity for all. Access to highly interactive windows and multimedia as well as all relevant applications is now possible remotely.

NVIDIA GRID™ technology offers the ability to offload graphics processing from the CPU to the GPU in virtualized environments. This enables true PC graphics-rich experiences for more virtual users for the first time and combines extreme processing with graphics performance.

Users can now explore highly responsive windows and rich multimedia experiences. They can access all critical applications, including the most 3D-intensive. And now you can access your most important apps from anywhere, on any device

“The ac&e solution has given us the compute resources to investigate technology previously too complex for CAE and helped deliver the low cost robust solutions demanded by our customers, maintaining the business’s competitive advantage in the market.”

Dr. David Ward, CAE Team Leader—Steering & Suspension (UK), TRW Automotive.



The NVIDIA GRID K1 and K2 boards provide:

GPU Virtualization¹ GRID boards feature the NVIDIA® Kepler™ architecture that, for the first time, allows hardware virtualization of the GPU. Multiple users can share a single GPU, improving user density while providing true PC performance and compatibility. NVIDIA's patented low-latency remote display technology greatly improves the user experience by reducing the lag that users feel when interacting with their virtual machine. The virtual desktop screen is pushed directly to the remoting protocol.

H.264 Encoding²

The Kepler GPU includes a high performance H.264 engine capable of encoding simultaneous streams with superior quality. This provides a giant leap forward in cloud server efficiency by offloading the CPU from encoding functions and allowing these functions to scale with the number of GPUs in a server.

Power Efficiency

GRID GPUs are designed to provide data centre-class power efficiency, including the revolutionary new streaming multiprocessor, called "SMX". The result is an innovative, proven solution that delivers revolutionary performance per-watt or the enterprise data centre.

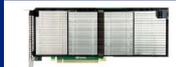
Maximum User Density

NVIDIA GRID boards have an optimized multi-GPU design that helps to maximize user density. GRID K1 boards are designed to host the maximum number of concurrent users. GRID K2 boards deliver maximum density for users of graphics-intensive applications.

24/7 Reliability

GRID boards are designed, built, and tested by NVIDIA for 24/7 operation. Working closely with leading server vendors such as Cisco, Dell, HP, IBM, and SuperMicro ensures that GRID cards perform optimally and reliably for the life of the system.

Specifications

	GRID K1 	GRID K2 
Number of GPUs	4 Kepler GPUs	2 high-end Kepler GPUs
Total NVIDIA® CUDA® Cores	768	3,072
Total memory size	16GB DDR3	8GB GDDR5
Max power	130W	225W
Board length	267mm	267mm
Board height	112mm	112mm
Board width	Dual slot	Dual slot
Display IO	None	None
Aux power	6 pin connector	8 pin connector
PCIe	X16	X16
PCIe generation	Gen3 (Gen2 compatible)	Gen3 (Gen2 compatible)
Cooling solution	Passive	Passive

**Software Partner
Example: CITRIX**

	NVIDIA DRIVER	REMOTE WORKSTATION CERTIFICATION	API	GRID K1	GRID K2
Virtualized Applications Citrix XenApp 6.5 with OpenGL 4.3	✓		NVIDIA CUDA DirectX 9, 10, 11 OpenGL 4.3	✓	✓
Virtual Desktops Citrix XenDesktop 5.6 FP1 with NVIDIA GRID Software	✓	✓	NVIDIA CUDA DirectX 9, 10, 11 OpenGL 4.3	✓	✓
Virtual Remote Workstations Citrix XenDesktop 5.6 FP1 with HDX 3D Pro	✓		NVIDIA CUDA DirectX 9, 10, 11 OpenGL 4.3	4 users	2 power users



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