



**NVIDIA® and HP  
Free the Workstation from  
its Tower**

**February 14, 2012**



# A New Class of Workstation – HP Z1



- **Born out of an extensive collaboration between NVIDIA® and HP**
- **Unleashes Custom Line of Quadro® Graphics – Performance without Compromise**

- **Whisper-Quiet Graphics**
- **Tool-free Serviceability & Upgradeability**





# Quadro Graphics in the HP Z1



- **Accelerate your Workflow**  
Exponentially faster performance across a broad range of professional CAD, DCC & visualization applications



- **High Performance Graphics Memory**  
Up to 2 GB GDDR5 Memory enables interactivity with large, complex models and designs
- **Highest Quality Visual Fidelity**  
30-bit color fidelity (10-bit per component) enables billions of color variations for rich, vivid image quality with the broadest dynamic range

# Quadro Graphics in the HP Z1



Autodesk



- **Delivers professionals best-in-class application performance**
  - Certified and optimized on the most important professional applications

- **Designed and Built by NVIDIA**
  - Delivering the highest standards of quality, performance, capabilities and reliability



# NVIDIA Quadro GPUs for the HP Z1



## Specifications

	High End		Mid Range	Entry
	Quadro 4000M	Quadro 3000M	Quadro 1000M	Quadro 500M
<b>NVIDIA CUDA Cores</b>	320	256	96	96
<b>Frame Buffer</b>	2 GB GDDR5	2 GB GDDR5	2 GB DDR3	1 GB DDR3
<b>Memory Bandwidth</b>	80 GB/sec	80 GB/sec	28.8 GB/sec	28.8 GB/sec
<b>Maximum Power Consumption</b>	100W	75W	45W	35W
<b>Relative Performance</b>	1.8x	1.5x	1.2x	1.0x
<b>Open GL</b>	4.1			
<b>DirectX/Shader Model</b>	11/5.0			
<b>PCI Express</b>	Gen 2			
<b>3D Vision/3D Vision Pro</b>	Supported			
<b>CUDA Version Support</b>	4.1			
<b>Warranty</b>	3 years			

# Additional Information



For further information or inquiries about the new NVIDIA Quadro line of professional graphics for the HP Z1 All-In-One Workstation, please contact

**Mark Priscaro**

**Senior PR Manager, NVIDIA**

**(408) 486-2438**

**email: [mpriscaro@nvidia.com](mailto:mpriscaro@nvidia.com)**

