

# SGI® Virtu™ VS

## Key Features

- x86 Workstation environment using industry standard components
- Built with leading quad-core processors
- 64-bit global shared memory
- Scalable graphics

## Key Benefits

- Run thousands of off-the-shelf Windows or Linux applications to become productive immediately
- Provide industry leading performance for workstation class problems
- Run one copy of the operating system and have up to 32 processor cores address up to 128 GB of RAM
- Connect up to two NVIDIA® professional grade GPUs, sync them together, and drive up to four dual-link DVI displays simultaneously

## DELIVERING GROUNDBREAKING VISUALIZATION CAPABILITY, PERFORMANCE, AND INNOVATION

The SGI® Virtu Solutions family extends the SGI heritage of visual computing with a line of high performance, professional-grade workstations that provide world-class performance and exceptional value for a range of budgets and price points. The Virtu™ VS family of highly configurable high-performance workstations provide industry-leading visualization capability and performance through maximum adaptability and workstation expandability. Virtu VS workstations feature the latest generation of Intel® and AMD® processors and both NVIDIA® Quadro™ Plex and NVIDIA® Quadro™ FX technologies. The range of Virtu VS servers provide maximum configurability necessary to meet a diverse range of functional, environmental, and display requirements.

### Run Thousands of Applications

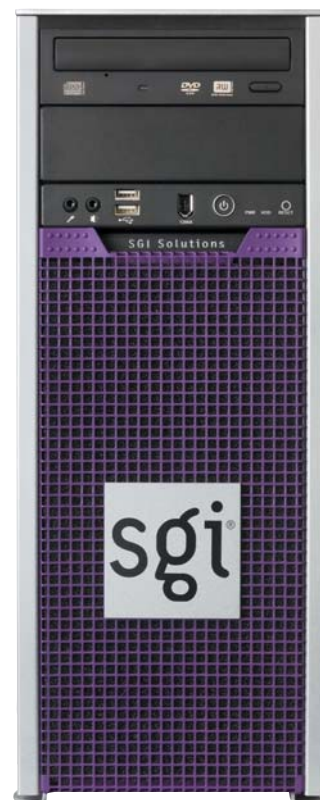
Based upon 64-bit x86 computing technologies, the Virtu VS allows you to run thousands of commercially available applications written for Windows® and Linux® operating systems. Applications developed in-house can be migrated to the Virtu VS family quickly and easily.

### Do More with a Trusted Consultant

SGI understands your challenges and is dedicated to helping you achieve breakthrough performance. Not only does SGI provide the Virtu VS family, but we can also provide the technical expertise in visualization, high-performance computing, and storage to make everything work together to seamlessly achieve the results you expect.

### Pick Your Level of World-Class Support

SGI provides a range of support options to best meet your enterprise's needs. For those with IT organizations who prefer to support their own systems, SGI provides phone support and next-business day advanced parts exchange. We also offer SGI's highly rated onsite hardware support at a range of response times to meet your exact requirements.



# SGI® Virtu™ VS

	SGI® Virtu™ VS100	SGI® Virtu™ VS200	SGI® Virtu™ VS300	SGI® Virtu™ VS350
<b>Node Type</b>	Highly configurable and expandable workstations, stand alone or rack mountable			
<b>Form Factor</b>	Deskside or rack mountable			
<b>Processors</b>	Two Intel® Quad-Core Xeon™ 5300 or 5400 Series	Two AMD® Opteron™ 2200 Dual-Core or 2300 Quad-Core Series	Four AMD® Opteron™ 8200 Dual-Core or 8300 Quad-Core Series	Eight AMD® Opteron™ 8200 Dual-Core or 8300 Quad-Core Series
<b>Memory</b>	<ul style="list-style-type: none"> <li>• Up to 32GB DDR2 FB-DIMM per node</li> <li>• Supports memory sparing and mirroring</li> <li>• 8 memory slots</li> </ul>	<ul style="list-style-type: none"> <li>• Up to 32GB per node</li> <li>• 8 memory slots</li> </ul>	<ul style="list-style-type: none"> <li>• Up to 64GB per node</li> <li>• 16 memory slots</li> </ul>	<ul style="list-style-type: none"> <li>• Up to 128GB per node</li> <li>• 32 memory slots</li> </ul>
<b>Graphics</b>	Full range of NVIDIA® Quadro™ Plex and Quadro™ FX GPUs <ul style="list-style-type: none"> <li>• FX 1700</li> <li>• FX 3500</li> <li>• FX 4500x2</li> <li>• FX 4600</li> <li>• FX 5500</li> <li>• FX 5600</li> <li>• Quadroplex Model II (all)</li> <li>• Quadroplex Model IV (Virtu VS200, Virtu VS300, Virtu VS350)</li> </ul> All support Dual Quadro FX			
<b>Interconnect</b>	Dual port GigE Optional InfiniBand	Dual port GigE Optional InfiniBand	Dual port GigE Optional InfiniBand	Dual port GigE Optional InfiniBand
<b>Chassis</b>	<ul style="list-style-type: none"> <li>• 4U</li> <li>• 7" w x 17" h x 19" d</li> <li>• (2) PCIe x16 Gen2</li> <li>• (2) PCI-X 64-bit 133 MHz</li> <li>• (2) PCI 32-bit</li> <li>• (6) 3.5" drive bays</li> <li>• (2) external 5.25" drive bays</li> <li>• 700 W power supply</li> </ul>	<ul style="list-style-type: none"> <li>• 4U</li> <li>• 7" w x 17" h x 19" d</li> <li>• (6) 3.5" hard drive bays</li> <li>• (2) 5.25" drive bays</li> <li>• (2) PCI Express x16</li> <li>• (1) PCI Express x8</li> <li>• (1) PCI Express x4 (using x8 slot)</li> <li>• (1) PXI-X 64-bit 133 MHz</li> <li>• (1) PCI-X 64-bit 100 MHz</li> <li>• 700W power supply</li> </ul>	<ul style="list-style-type: none"> <li>• 5U</li> <li>• 10.45" w x 17.7" h x 25.5" d</li> <li>• (2) PCIe x16</li> <li>• (2) PCIe x16 (with x4 signaling)</li> <li>• (1) PCI 32-bit</li> <li>• (6) 3.5" internal drive bays</li> <li>• (3) external 5.25" drive bays</li> <li>• 5 to 15 removeable SATA or SAS drives</li> <li>• Dual 850W power supplies</li> </ul>	<ul style="list-style-type: none"> <li>• 5U</li> <li>• 10.45" w x 17.7" h x 25.5" d</li> <li>• (2) PCIe x16</li> <li>• (2) PCIe x16 (with x4 signaling)</li> <li>• (1) PCI 32-bit</li> <li>• (6) 3.5" internal drive bays</li> <li>• (3) external 5.25" drive bays</li> <li>• 5 to 15 removeable SATA or SAS drives</li> <li>• Dual 850W power supplies</li> </ul>
<b>Operating Systems</b>	• Offering Windows and Linux Operating Systems for all models			
<b>Support and Services</b>	SGI provides support for hardware and systems software. SGI also offers services in your environment. For more information, please see <a href="http://www.sgi.com/support">www.sgi.com/support</a> .			

\* Quotes are available from SGI Professional Services.



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