

# f1200 x86 Workgroup Server

## Performance, Flexibility and Scalability

Turnkey Solution for Demanding Life Sciences Applications.

The f1200 x86 workgroup server from SGI is a high-performance shared-memory server for power users and workgroups to run demanding Life Sciences applications.

Targeted at workgroup and departmental environments with a need for performance, flexibility and scalability, the f1200 offers high processor count and large memory to process more complex modeling and analysis in less time. The f1200 supports the vast amount of 32-bit and 64-bit x86 scientific applications including Gaussian, GROMAX, AMBER, GAMESS etc. The f1200 turnkey solution provides out-of-the-box value with the Linux® operating system pre-configured to run multiple jobs simultaneously or a single large one on the entire system.

Add your own f1200 server with up to 12 next-generation Intel® Xeon® processors (dual-core or quad-core), and up to 192GB RAM per single box configuration. For larger requirements, expand the f1200 system up to 32 processors (128 cores), 512GB RAM and 12TB of storage in a single shared memory system. Check out this bundled pricing:

**Entry-level f1200:** 8x Intel Xeon LV 5335 (quad-core, 2.0GHz/8MB), 48GB RAM, 4x 150GB/10K RPM SATA HDD

**Starting under \$50,000 [USD]**

**High-end f1200:** 12x Intel Xeon 5345 (quad-core, 2.33GHz/4MB), 96GB RAM, 6x 150GB/10K RPM SATA HDD

**Starting under \$80,000 [USD]**

And you get...

- The powerful combination of Intel Xeon dual-core or quad-core processors, the Linux OS (Novell® SUSE® LINUX Enterprise Server) and ScaleMP™ versatile SMP (vSMP) shared-memory architecture
- A turnkey system that can be deployed with minimal IT infrastructure in place
- 1 Year advanced exchange hardware warranty from SGI
- Investment protection with a system that can accommodate future growth: up to 32 sockets (128 cores) and up to 512GB of shared memory

For more information or a quote,  
please call 1-800-800-SGII [7441]

Ask a sales rep:  
<http://sgi.market2lead.com/go/askarep>



# SGI® f1200 x86 Workgroup Server

## f1200 Physical Specifications

<b>Form Factor</b>	Deskside: 19" x 10.5" x 30" Rackmount: 10.5" (6U) x 19" x 30"
<b>Enclosure Power</b>	110/220 volt single-phase AC support (20 Amp)
<b>Chassis Rear</b>	Video, keyboard, mouse, serial 7 x 10/100/1000 Ethernet port 2 x Chassis expansion port
<b>Chassis Front</b>	USB, DVDROM

<b>Architecture</b>	ScaleMP® versatile SMP (vSMP)
<b>Max Spec per Chassis</b>	12 Intel® Xeon® Processors (Dual-Core or Quad-Core) Up to 192GB ECC FBDIMM DDR2 667MHz memory Up to 4.5TB of storage (6 x 750GB) Up to 440 GigaFLOPS of processing power (12 x Quad-Core Intel® Xeon® Processor 5145)
<b>Max Spec per System</b>	32 Intel® Xeon® Processors (Dual-Core or Quad-Core) Up to 512GB ECC FBDIMM DDR2 667MHz memory Up to 12TB of storage (16 x 750GB)

## f1200 Configurations

	Entry-Level system	Mid-Range system	High-End system
<b>Processors</b>	Dual-Core Intel® Xeon® processors 5100 series	Dual-Core and Quad-Core Intel® Xeon® processors 5100 or 5300* series	
<b>Number of Processors</b>	8	8 to 12	24
<b>Memory</b>	Up to 32 DDR2 FBDIMM memory modules 32GB to 128GB DDR2 667 MHz FBDIMM memory	Up to 48 DDR2 FBDIMM memory modules 48GB to 192GB DDR2 667 MHz FBDIMM memory	Up to 96 DDR2 FBDIMM memory modules 96GB to 384GB DDR2 667 MHz FBDIMM memory
<b>System Cache</b>	Minimum of 10% of RAM reserved for system cache		
<b>Architecture</b>	ScaleMP™ versatile SMP (vSMP)		
<b>Chipset</b>	Intel® 5000X		
<b>Network</b>	5 x Gigabit Ethernet	7 x Gigabit Ethernet	14 x Gigabit Ethernet
<b>Internal Drives</b>	7,200RPM drives: 320GB, 400GB, 500GB, 750GB 10,000RPM drives: 74GB, 150GB		
<b>Number of Internal Drives</b>	4	Up to 6	12
<b>I/O Expansion</b>	2 x eSATA ports 1 x PCIe 8x slot		4 x eSATA ports 2 x PCIe 8x slot
<b>System Expansion</b>	2 chassis expansion ports		
<b>Form-Factor</b>	Desk-side or Rack-mount	Rack-mount	
<b>Lead Free Compliance</b>	Lead Free Compliance: Compliance with European Union Lead-Free Directive 2002/95/EC, officially titled "the Restriction on the Use of Hazardous Substances (RoHS) in Electrical and Electronic Equipment"		
<b>Ambient Temperature</b>	Operating: 10°C to 35°C Non-operating/storage: -40°C to +70°C		
<b>Relative Humidity</b>	Non-operating: 95% or non-condensing at 30°C		
<b>OS Support</b>	Red Hat and SUSE standard Linux distributions. Optional highly-tuned Linux kernel provided.		
<b>Applications</b>	Computational Structural Mechanics: ANSYS Mechanical, ABAQUS/Explicit, ABAQUS/Standard, LSTC LS-DYNA Computational Fluid Dynamics: Fluent, ANSYS, CFX, CD-Adapco STAR-CD, AVL FIRE Computational Chemistry: Schrödinger Jaguar, Schrödinger Glide, NAMD, DOC, GAMESS, GOLD Bio-Informatics: HMMER Oil & Gas: Schlumberger ECLIPSE, Paradigm GeoDept, 3DGeo 3DPSDM		

\* Intel® Xeon® X5355 not currently supported



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