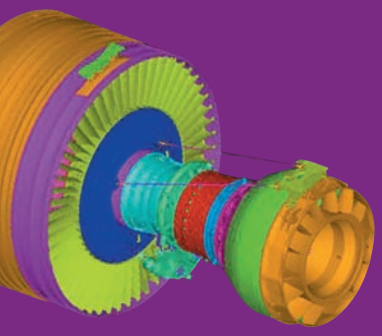
f1200 x86 Workgroup Server

Performance, Flexibility and Scalability

Turnkey Solution for Demanding ANSYS Applications.



The f1200 x86 workgroup server is a high-performance shared-memory system for power users and workgroups at automotive, aerospace, and general manufacturing companies to run demanding ANSYS simulations.

Suited for workgroup environments that need to support a comprehensive set of ANSYS simulation capabilities and multiple users with minimal IT infrastructure, the f1200 provides both high processor count and large memory to process larger models in less time. The f1200 turnkey solution provides out-of-the-box value with Linux® operating system pre-configured to run multiple jobs simultaneously or a single complex 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-SGI1 (7441)

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

SGI® f1200 x86 Workgroup Server

f1200 Physical Specifications

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

Architecture	ScaleMP® versatile SMP (vSMP)
Max Spec per Chassis	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)
Max Spec per System	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
Processors	Dual-Core Intel® Xeon® processors 5100 series	Dual-Core and Quad-Core Intel® Xeon® processors 5100 or 5300* series	
Number of Processors	8	8 to 12	24
Memory	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
System Cache	Minimum of 10% of RAM reserved for system cache		
Architecture	ScaleMP™ versatile SMP (vSMP)		
Chipset	Intel® 5000X		
Network	5 x Gigabit Ethernet	7 x Gigabit Ethernet	14 x Gigabit Ethernet
Internal Drives	7,200RPM drives: 320GB, 400GB, 500GB, 750GB 10,000RPM drives: 74GB, 150GB		
Number of Internal Drives	4	Up to 6	12
I/O Expansion	2 x eSATA ports 1 x PCIe 8x slot		4 x eSATA ports 2 x PCIe 8x slot
System Expansion	2 chassis expansion ports		
Form-Factor	Desk-side or Rack-mount	Rack-mount	
Lead Free Compliance	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”		
Ambient Temperature	Operating: 10˚C to 35˚C Non-operating/storage: -40˚C to +70˚C		
Relative Humidity	Non-operating: 95% or non-condensing at 30˚C		
OS Support	Red Hat and SUSE standard Linux distributions. Optional highly-tuned Linux kernel provided.		
Applications	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

Corporate Office
SGI
1140 East Arques Avenue
Sunnyvale, CA 94085-4602
650.960.1980

North America +1 800.800.7441
Latin America +55 11.5185.2860
Europe +44 118.912.7500
Japan +81 3.5488.1811
Asia Pacific +1 650.933.3000

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