



Sun Fire™ T1000 Server

Discover a breakthrough in throughput and energy efficiency for your next generation datacenter



Sun's CoolThreads™ Technology Delivers Leading-edge Performance, with Unequaled Space and Power Efficiency at Aggressive Price Points

Your days of high energy costs are over. With the Sun Fire T1000 server you will enjoy more compute power, while paying less on your energy bill. The Sun Fire T1000 server delivers breakthrough throughput performance using up to 32 simultaneous threads, in a compact form factor that draws only a fraction of the power of competing systems. The Sun Fire T1000 server gives you unheard of levels of price performance that can raise your business to a whole new level.

The Sun Fire T1000 server's CoolThreads™ technology delivers up to twice the performance on half the power of competing systems, shattering power and cooling constraints. Aggressively priced and superbly engineered, the Sun Fire T1000 server gives you the performance your business needs to grow, while saving you money now and into the future.

Key Feature Highlights

- Enables up to 32 simultaneous execution threads using CoolThreads™ technology
- Chip Multithreading Technology (CMT) UltraSPARC® T1 processor
- Industry leading server efficiency as defined by Space, Watts and Performance (SWaP)* metric
- Best levels of price performance per watt
- Draws less than 220W of power
- Preloaded Solaris™ 10 Operating System
- Pre-installed Java™ Enterprise System Software
- Space efficient, rack-optimized 1 RU design
- Investment protection with SPARC® V9 binary application compatibility
- World's first eco-responsible server
- Significant price advantages on pre-integrated Solaris support service options

We are redefining the Systems with Full Protection plans.

Full protection. Half the cost. Sun is taking its new breakthrough technology to an even greater level for your systems investment. With Sun's Full Protection policy, we are now offering the world's first massively threaded server, the best operating system and all of the support you need to accelerate deployment, reduce risk and lower total cost of ownership—for as long as you own the server. These Full Protection plans create a valuable connection between you and Sun for long-term proactive service and recurring value.

The Sun Fire T1000 server is the newest member of Sun's powerful line of SPARC servers. Combined with the power of the Solaris 10 Operating System, the Sun Fire T1000 server delivers high performance with dramatic savings in space and power, while protecting your application investments with full binary compatibility.

Key Applications

Proxy caching
Email service
Streaming media
Web serving
Java application servers and
Java Virtual Machines

Application development
Networking
Security
Systems management
SOA and Business Integration implementation

Sun Fire T1000 Server Specifications

Processor

	Processor 6 or 8 core, 1.0GHz UltraSPARC® T1 processor
Architecture	SPARC V9 architecture, ECC Protected
Cache per processor	16 KB data, 8 KB instruction and 3-MB integrated L2

Main Memory

	Eight DIMM slots, DDR2 with Chipkill and Dram Sparing, ECC registered DIMMs, system maximum of 16 GB. Support for 512MB, 1GB and 2 GB DIMMs
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Standard/Integration Interfaces

Network	Four 10/100/1000 Mbps Ethernet
Serial	One DB9 serial port
Expansion capability	One PCI-Express (PCI-E slot) compliant with PCI-E specification Revision 1.0a (supports x1, x4 and x8 cards)
Network Management	Advanced Lights Out Management system controller with RJ45 serial and 10/100 Mbps Ethernet ports

Mass Storage and Media

Internal Disk	One 80GB 3.5" 7.2K RPM SATA drive
External Disk	Sun StorEdge 3511 Array Sun StorEdge 3510 Array Sun StorEdge 6120 Array Sun StorEdge 6130 Array Sun StorEdge 6140 Array Sun StorEdge 6920 System Sun StorEdge 9990 Array Sun StorEdge 9980 Array Sun StorEdge 9985 Array Sun StorEdge 9910 Array Sun StorEdge 9960 Array Sun StorEdge 9970 Array
External Tape	Sun StorEdge C2 Autoloader Sun StorEdge C4 Tape Library Sun StorEdge L25 Tape Library Sun StorEdge L180 Tape Library Sun StorEdge L500 Tape Library

Software

Operating	Solaris 10 1/06 Operating System (minimum version)
Enterprise Infrastructure	Sun Java Enterprise System software

Power Supply

One 300W power supply	
Maximum Operating Input Power	220W
Typical Operating Input Power	180W

Environment

AC power	100-240 VAC 50-60 Hz (2.2A @ 100 to 120 VAC 1.1A @ 200 to 240 VAC)
Operating Temperature	<ul style="list-style-type: none"> Sea level to 900 m (3,000 ft) 5° C to 35° C (41° F to 95° F) Above 900 m (3,000 ft) Decrease maximum temperature as altitude increases, 1° C/300 m (1.6° F/1,000 ft)
Operating Humidity	10 to 90% relative humidity, noncondensing
Non-operating Temperature	-40° C to 70° C (-40° F to 158° F) 93% relative humidity non-condensing
Operating Altitude	Up to 3,048 m (10,000 ft)
Declared Acoustic	Operating/Idling Acoustic Noise 7.7B (LwAd,1B=10dB) 66dB (LpAm, bystander positions)

Regulations

(meets or exceeds the following requirements)

Product Safety	UL/CSA-60950-1, EN60950-1, IEC60950-1 CB Scheme with all country deviations, IEC825-1, 2, CFR21 part 1040, CNS14336, GB4943
RFI/EMI	EN55022 Class A, 47 CFR 15B Class A, ICES Class A, VCCI Class A, AS/NZ 3548 Class A, CNS 13438 Class A, KSC 5858 Class A, GB 9254 Class A, EN61000-3-2, GB 17625.1, EN61000-3-3
Immunity	EN55024, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11

Get the details.

Learn more about the Sun Fire T1000 Server by visiting: sun.com/T1000

Telecommunications EN300-386

Regulatory Markings	CE, FCC, ICES-003, C-tick, Markings VCCI, GOST-R, BSMI, MIC, UL/cUL, UL/S-mark, CCC
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Dimensions and Weight

Height	43 mm (1.75 inches); 1 rack unit
Width	425 mm (16.8 inches)
Depth	483 mm (19.0 inches)
Weight	9.1 kg (20 lbs); without PCI-E card and rack-mounts 10.9kg (24 lbs); with slide-rails

Support

You have your choice of two Full Protection Plans:

- System-ready Plan which comes with the Sun Fire server, Solaris 10 Operating System and a 3 year support plan-with the option to choose your service level (Bronze to Platinum).
- Business-ready plan offers services and installation to accelerate deployment and reduce risk. It includes Gold, 7x24 support and installation services.

For full details, visit: sun.com/service/sunfire

Upgrades

The new Sun Fire T1000 servers are eligible for the Upgrade Advantage Program. Customers can trade-in and upgrade their old Sun or non-Sun servers and receive a trade-in allowance applied toward the list price of their new Sun Fire T1000 server.

For more details on the Upgrade Advantage Program go to: sun.com/ibb/coolthreads



* SWaP = Space, Watts and Performance as defined by the formula Performance / (Space x Power Consumption)

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02/06 SunWin# 456806

