

# SPARC Enterprise T2000



Boasting minimal rack density and low power consumption, the powerful SPARC Enterprise T2000 has been developed to address the issues of key concern in today's data center environments. Its performance density will enable you to reduce server units by half. The low 450 Watt power consumption promises significant reduction in power bills, with lower heat generation for reduced cooling requirements. SPARC V9 binary application compatibility means you'll be able to run the most demanding online transaction and web services systems, and the 32-thread technology will optimize your ability to manage the loads on business.

## Enhanced performance

The latest multi-thread and multi-core (4/8) 1.0/1.2/1.4GHz UltraSPARC T1 processor and a maximum 64GB of memory provide power and operational throughput commensurate with top-rated front-end services. Designed for multiple deployments in the enterprise network, its cost/performance ratio will ensure maximum performance in the smallest space at the lowest cost per transaction.

## Added flexibility

Scale out flexibility is achieved using the smallest possible footprint and the lowest cost of ownership. With 32-thread simultaneous execution, throughput is maintained even under the most demanding conditions. This is complimented by I/O scalability, with support for up to five PCI slots and four Ethernet interfaces.

## Boosted reliability

With service uptime so important in holding down cost of ownership, SPARC Enterprise T2000 delivers the enhanced uptime capabilities you can rely on: hot-pluggable disk drives, redundant, hot swappable power supplies and fans, environmental monitoring, and many more. And the rationalized architecture with use of fewer components means better reliability with less system downtime.

## Key technical features

- 1CPU chip/8-core UltraSPARC T1 processor
- Up to 64GB internal memory
- More than 8,000 Solaris™ 10 containers
- 2U height w/small footprint
- Max. 450 Watts low power consumption

# SPARC Enterprise T2000

## Specifications

Model Name		SPARC Enterprise T2000		
Type		Rackmount (2U)		
Processor	Type	UltraSPARC T1		
	Clock speed	1.0GHz	1.2GHz	1.4GHz
	Quantity	1 CPU chip (4/8 cores)	1 CPU chip (8 cores)	1 CPU chip (8 cores)
Cache	Level 1	24KB/core (Instruction:16KB, Data:8KB)		
	Level 2	3MB/CPU chip		
Main memory	Type	DDR2 SDRAM, ECC/Extended ECC protected		
	Minimum capacity	8GB (16x 512MB)	16GB (16x 1GB)	64GB (16x 4GB)
	Maximum capacity	64GB (16x 4GB DIMM)		
	Expansion units	1GB/2GB/4GB/8GB with ECC/Extended ECC protection		
Hard disk drives	Type	SAS (2.5inch, 10,000rpm)		
	Minimum capacity	146GB (2x 73GB)		
	Maximum internal capacity	584GB (4x 146GB)		
	Support HDD unit	73GB/146GB		
Drives	Internal media drive	1x slimline DVD-ROM/CD-RW Combo (standard)		
	Internal tape drive	-		
PCI slots		3 slots (PCI Express), 2 slots (PCI-X)		
Standard interfaces	LAN	4 ports (10Base-T/100Base-TX/1000Base-T, RJ45)		
	Serial	1 port (RS232C, D-Sub 9pin)		
	USB	4 ports		
System control interface	LAN	1 port (10Base-T/100Base-TX, RJ45)		
	Serial	1 port (RS232C, RJ45)		
Dimensions	Width x Depth x Height	425x 621x 89mm (16.7x 24.4x 3.5 inches)		
Weight		Max.18.2kg (40lb.)*		
AC power connection	Rated voltage	100-240 VAC +/- 10%		
	Frequency	50/60Hz +/- 10%		
	Power draw	Max.450W		
	Heat generation	Max.1,620kJ/h		
Environmental conditions	Temperature	5 - 35°C (at 0-900m altitude)		
	Humidity	20 - 80%		
Regulatory (meets or exceeds requirements)	Safety	CFR21 part1040, CNS14336, GB4943, IEC825-1, IEC825-2, EN60950-1, IEC60950-1 CB Scheme with all country deviations, UL/CSA-60950-1		
	RFI/EMC	47CFR15B, AS/NZ3548, CNS13438, EN55022, EN61000-3-2, IEC61000-3-2, JIS61000-3-2, FCC Part-15, GB9254, GB17625.1, ICES, KSC5858, MIC, VCCI		
	Immunity	EN55024, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8, IEC61000-4-11		
	Telecommunications	EN300-386		
	Regulatory markings	BSMI, CCC, CE, C-tick, Doc, FCC, GOST-R, ICES-003, MIC, UL/cUL, UL/S-mark, VCCI		
Features	Redundant components	Power supply unit, Fan, Disk (mirror configuration), Power system, PCI card (multi-path configuration)		
	Hot swap components	Power supply unit, Fan, Disk		

\* Without PCI card and rack-mounts

Specifications are subject to change without notice.

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