

# SPARC Enterprise T1000



Boasting excellent performance with minimal power demands, SPARC Enterprise T1000 is the cost-effective solution to reducing today's expensive data center power bills. With a low 220 Watt of power consumption it affords significant reduction in power bills, and generates less heat, thereby reducing cooling requirements as well. Full SPARC V9 application binary compatibility means you can run the best in network applications, traffic control, security and web services. And its 32-thread multi-threading technology ensures optimal flexibility to manage the demands on your business.

## Enhanced performance

The latest multi-thread and multi-core (8 cores) 1.0GHz UltraSPARC T1 processor and up to 32GB of memory provide the power and operational throughput demanded by today's front-end services. Designed for multiple deployments in the enterprise network, this model's cost-to-performance ratio will ensure that you have the best front-end performance in the smallest possible space, realizing the lowest cost per transaction.

## Added flexibility

Scale out flexibility is achieved with a reduced footprint while keeping down the cost of ownership. Internally each server can call on up to 32 simultaneous execution threads, maintaining throughput even under the most demanding conditions.

## Ecology

This high performance comes to you in a low-profile, space-saving 1U form factor that fits easily into any standard rack and which consumes about one-fifth the energy of equivalent models. This remarkable concept high-performance system designed for running advanced network services, but with a minimal footprint and reduced power requirements, can provide a realistic projection of the cost and environmental impact on the next-generation data center.

## Key technical features

- 1CPU chip/8-core UltraSPARC T1 processor
- Up to 32GB internal memory
- More than 8,000 Solaris™ 10 containers
- 1U height w/small footprint
- Max. 220 Watts low power consumption

# SPARC Enterprise T1000

## Specifications

Model Name		SPARC Enterprise T1000
Type		Rackmount (1U)
Processor	Type	UltraSPARC T1
	Clock speed	1.0GHz
	Quantity	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 (8x 1GB)
	Maximum capacity	32GB (8x 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	292GB (2x 146GB)
	Support HDD unit	73GB/146GB
Drives	Internal media drive	-
	Internal tape drive	-
PCI slots		1 slot (PCI Express)
Standard interfaces	LAN	4 ports (10Base-T/100Base-TX/1000Base-T, RJ45)
	Serial	1 port (RS232C, D-Sub 9pin)
System control interface	LAN	1 port (10Base-T/100Base-TX, RJ45)
	Serial	1 port (RS232C, RJ45)
Dimensions	Width x Depth x Height	425x 467x 43mm (16.7x 18.4x 1.75 inches)
Weight		Max.9.3kg (20.5lb.)*
AC power connection	Rated voltage	100-240 VAC +/- 10%
	Frequency	50/60Hz +/- 10%
	Power draw	Max.220W
	Heat generation	Max.791kJ/h
Environmental conditions	Temperature	5 - 35°C (at 0-900m altitude)
	Humidity	10 - 90%
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, 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	Disk (mirror configuration)

\*Without PCI card and rack-mounts

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