



SUN's Netra™ t1 SERVER

The high-density, highly reliable system for service providers.

With Sun's Netra[™] t1 server, service providers get what they've needed all along: an affordable, high-density, rack-mount-ready system—with the availability and reliability Sun is known for. The Netra t1 system packs a powerful UltraSPARC[™]-IIi processor, the robust Solaris[™] operating environment, plenty of disk, and Sun reliability features into a compact, carrier-grade 1U form

factor. So it's perfect for rack-mount implementations where horizontal scalability is key. It supports lights-out management, with remote power on/off for maximum reliability and performance per rack. And it's easily serviced from front or back. For service providers, it's the ideal Solaris[™] (SPARC[™] Platform Edition) server—at a very low-end price.

HIGHLIGHTS

- 1U form factor provides high compute density per rack, at an affordable price
- Remote, lights-out management delivers optimum availability
- Automatic server restart increases service availability
- Reliable, available, full-function Solaris" (SPARC" Platform Edition) server delivers excellent price/performance
- Front-accessible media and hot-plug SCSI disks enable simple configuration changes online
- Indicator LEDs on front and back simplify serviceability

Netra t1 SERVER SPECIFICATIONS

PROCESSOR OPTIONS			
Architecture	Superscalar SPARC Platform Version 9, 360- or 440 MHz UltraSPARC-IIi, single processor 16-KB data and 16-KB instruction on chip Secondary: 1-MB external with 360-MHz CPU, 2-MB external with 440-MHz CPU		
Cache			
MAIN MEMORY	Total of two Sun Mezzanine memory cards supported 1.0 GB maximum		
STANDARD INTERFACES			
Network	Dual Ethernet/Fast Ethernet, STP (10-BaseT and 100-BaseT)		
1/0	40-MB/sec UltraSCSI (SCSI-3)(synchronous)		
Serial	Two RS-232C/RS-423 serial ports (DB25)		
EXPANSION BUS			
PCI Bus	Single 2/3-length PCI slot compliant with PCI specification version		
	2.1; slot operates at 33 MHz, 32 bits		
MASS STORAGE AND M	IFDIA		
Internal CD	Optional 644-MB Slimline CD, 24X speed		
Internal disk	Up to two 3.5- x 1-in. disks (9 GB or 18 GB);		
internat disk	front accessible; support for hot plug		
External storage	All UltraSCSI devices		
SOFTWARE			
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Operating environment	Solaris 2.6 and Solaris 7		
Programming tools	4/97 Solaris NEO* 2.0, OpenStep 1.0		
Languages	C, C++, Pascal, FORTRAN, Java™ programming languages, all		
Notrophina	standard supported Sun languages		
Networking	ONC™, NFS™, TCP/IP, SunLink™ OSI, MHS, IPX/SPX, DCE, SS7, ATM, FDDI		
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ENVIRONMENT	400 240///6 47 62/1-			
AC power	100-240VAC 47-63Hz			
Operating	5° C to 40° C (41° F to 104° F) 20% to 80% relative humidity,			
	noncondensing, subject to a maximum absolute humidity of			
	0.024 kg water/ kg dry air			
Short-term operating	-5° C to 50° C (23° F to 122° F)			
(96 consecutive hours)	5% to 90% relative humidity, noncondensing			
Nonoperating	-40° C to 70° C (-40° F to 158° F)			
	10% to 95% relative humidity, noncondensing			
Elevation	Operating: -300 m to +3000 m ETS 300-19-2-3, Table 3.1, Climatic Less than 60dBA (GR-63-Core Test Method)			
ETSI				
Acoustic noise				
Seismic	GR-63-Core requirements for earthquake risk zone 4			
	ETSI ETS 300-19-2-3, A1 operating requirements			
REGULATIONS				
Safety	UL 1950/CSA C22.2 No. 950. EN 60950 (73/23/EEC). IEC 950			

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Safety	UL 1950/CSA C22.2 No. 950, EN 60950 (73/23/EEC), IEC 950		
Emissions	CFR Title 47 FCC Part 15, EN 55022 (89/336/EEC)		
Immunity	EN 50082-1 (89/336/EEC)		
Telco environment	Telcordia: GR-63-CORE, GR-1089-CORE, TR-NWT-000295		
NEBS Compliant			
Telcordia	SR 3580 NEBS Level 3		
Safety	cULus Mark, TUV GS Mark, CE Mark		
EMC	CE Mark (93/68/EEC), FCC authorized Class A		

DIMENSIONS AND WEIGHTS

Chassis	
Height	44.0 mm (1.73 in.)
Width	437.2 mm (17.21 in.)
Depth	487.4 mm (19.19 in.)
Weight	9 kg (20 lbs.)
Enclosure	
Rack sizes	Fits into 19-, 23-, 24-in., 600 mm racks (includes mounting kit for 19-in. racks)

NETRA CARRIER GRADE COMPUTER SYSTEMS

Netra t1120	Netra t1125	Netra ft1800	Netra st A1000/D1000	
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