



# NETRA™ T1 AC200 SERVER

**The high-density, low-profile system for service providers and network equipment providers.**

For service providers looking to maximize price/performance per rack, Sun's Netra™ T1 AC200 server is a perfect fit. The system packs a 500-MHz, 64-bit UltraSPARC™ IIe processor, two hot-swap disk drives, and SCSI and PCI connectivity into a rack-mount 1U-form factor, providing impressive compute density, flexibility, and expandability. This carrier-grade server is designed to meet NEBS Level 3 standards for reliability and availability, helping to

ensure operation even in less-than-ideal conditions. Front and rear LEDs and comprehensive lights-out management features make on-site or remote administration simple. Best of all, the Netra T1 AC200 server extends Sun's broad line of consistent, carrier-grade servers, all running the powerful, proven Solaris™ Operating Environment.

## HIGHLIGHTS

- 1U form factor provides a high level of compute density per industry-standard rack
- Ruggedized, carrier-grade system that conforms to NEBS standards to support maximum uptime
- Connectivity to a wide variety of peripherals and storage options
- Lights-out management capabilities and automatic and remote server restart for simple off-site administration
- Hot-swap disks for manageability and minimal downtime
- Compatible with entire Netra and Sun Enterprise™ product lines, all running a single operating environment
- Access to more than 12,000 industry-standard solutions
- Helps enable service providers to bring new services to market fast, deploy them on any scale, and maintain and migrate them to future technologies
- Low-cost system is ideal for horizontal scaling, resulting in higher availability

# NETRA T1 AC200 SERVER

The Netra T1 AC200 server is the ideal solution for service providers, telecommunications, or any other industry where compute density and affordability are key. Its consistent footprint and low-profile, rack-mount packaging save data center space, while delivering all the performance and RAS features that Sun servers are known for.

## NETRA T1 AC200 SERVER SPECIFICATIONS

### PROCESSOR OPTIONS

<b>Architecture</b>	Superscalar SPARC™ Platform Version 9, 500-MHz UltraSPARC IIe, single processor
<b>Cache</b>	16-KB data and 16-KB instruction on chip Secondary: 256 KB

### MAIN MEMORY

PC133 Registered DIMMs  
2 GB maximum

### STANDARD INTERFACES

<b>Network I/O</b>	Dual Ethernet/Fast Ethernet, STP (10-BaseT and 100-BaseT) 80-MB/sec. Ultra2SCSI SE/LVD
<b>Serial</b>	Two RS-232C/RS-423 serial ports (RJ45)
<b>USB</b>	Two OHCI-compliant interfaces
<b>Expansion bus</b>	Single full-length PCI slot compliant with PCI specification version 2.1; slot operates at 33 MHz, 32 bits
<b>System configuration reader and card</b>	Front-accessible for transfer of system configuration information, including host ID

### MASS STORAGE AND MEDIA

<b>Internal CD</b>	Optional 644-MB SuperSlim CD-ROM, 24X speed
<b>Internal disk</b>	Up to two 3.5-in. X 1-in. disks (18 GB); front accessible; support for hot swap
<b>External storage</b>	Optional Netra st D130 (up to three 36-GB disks)

### SOFTWARE

<b>Operating environment</b>	Solaris 8 Operating Environment
<b>Languages</b>	Java™ programming language; all other standard Sun-supported languages
<b>Networking</b>	ONC™/NFS™, TCP/IP, SunLink™ OSI, MHS, IPX/SPX, DCE
<b>Management</b>	Sun™ Management Console, SNMP, SunVTS™, SRS Ready
<b>High availability</b>	Sun™ Cluster 2.2

### ENVIRONMENT

<b>AC power</b>	90-264 V AC 47-63 Hz
<b>Operating</b>	5° C to 40° C (41° F to 104° F) 20% to 80% relative humidity, noncondensing
<b>Short-term operating (96 consecutive hours)</b>	-5° C to 55° C (23° F to 122° F) 5% to 90% relative humidity, noncondensing
<b>Nonoperating</b>	-40° C to 70° C (-40° F to 158° F) 10% to 95% relative humidity, noncondensing
<b>Elevation operating</b>	-300 m to +3000 m
<b>ETSI</b>	ETS 300-19-2-3, Table 3.1, Climatic
<b>Acoustic noise</b>	Less than 60dBA (GR-63-Core Test Method)
<b>Seismic</b>	GR-63-Core requirements for earthquake risk zone 4

### REGULATIONS

	Meets or exceeds the following requirements:
<b>Safety</b>	UL 1950/CSA C22.2 No. 950, EN 60950 (73/23/EEC), IEC 950
<b>Emissions</b>	CFR Title 47 FCC Part 15, EN 55022 (89/336/EEC)
<b>Immunity</b>	EN 50082-1 (89/336/EEC)
<b>Telecom environment</b>	Certification pending for: Telcordia: GR-63-CORE, GR-1089-CORE, TR-NWT-00295 Telcordia: SR 3580 NEBS Level 3
<b>Certifications</b>	Safety: cULus Mark, TUV GS Mark, CE Mark EMC: CE Mark (93/68/EEC), FCC authorized Class A

### DIMENSIONS AND WEIGHT

<b>Chassis</b>	
<b>Height</b>	44.0 mm (1.7 in.)
<b>Width</b>	437.2 mm (17.2 in.)
<b>Depth</b>	487.4 mm (19.2 in.)
<b>Weight</b>	9.0 kg (19.8 lb.)
<b>Enclosure</b>	Fits 19-, 23-, 24-in., 600-mm racks

[www.sun.com/netra](http://www.sun.com/netra)

Purchase these products from the Sun™ Store, [sun.com/store](http://sun.com/store) or contact an authorized Sun reseller near you.

## NETRA CARRIER-GRADE PRODUCT FAMILY

<p>Netra t 1120/1125</p> 	<p>Netra t 1400/1405</p> 	<p>Netra st D130</p> 	<p>Netra st A1000/D1000</p> 	<p>Netra E1</p> 
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