



NETRA™ ct 800 SERVER

The general-purpose CompactPCI server built for communications and service provider infrastructures, offering I/O density, modularity, and serviceability.

The Netra ct 800 server is the carrier-grade CompactPCI server for network infrastructure environments, where I/O density is critical and high availability and serviceability are a must. The NEBS Level 3 Certified and ETSI-compliant Netra ct 800 server features hot-swap I/O expansion slots and redundant hot-swap power supplies, fans, and hard disks. All active field replacement

units (FRUs) are front accessible for quick and easy servicing. Moreover, two Netra ct 800 servers fit side-by-side inside a Netra ct chassis for a high-availability cluster solution. A single Netra ct chassis can accommodate one Netra ct 800 server and two Netra ct 400 systems—making it the ideal, flexible, modular solution for communications and service provider infrastructures.

HIGHLIGHTS

- Up to six 6U cPCI I/O slots per server
- Two ct 800 servers can be installed per chassis
- All cPCI I/O slots conform to the PICMG standards with H.110 support

- Available in either front- or rear-accessible system for easy cabling
- Front-accessible and hot-swappable: I/O slots, LED panel, system controller board, fans, hard drives, and power supply unit

- Remote system control provides lights-out management (LOM) for optimum availability
- LED panel communicates the status of all active FRU components
- Delivers the reliability that Sun's SPARC™/Solaris™ platform is known for

- The 12RU Netra ct chassis accommodates two Netra ct 800 servers (or one Netra ct 800 server and two Netra ct 400 systems)
- Three Netra ct chassis can fit into a standard 6-ft. (2 m), 19-in. rack for I/O density

Netra ct 800 Server

For communications and service provider infrastructures, the carrier-grade ct 800 offers I/O density, serviceability, and availability in a rack-mount CompactPCI form factor.

NETRA ct 800 SERVER SPECIFICATIONS

PROCESSOR

Architecture	One 64-bit UltraSPARC™ Ili 440-MHz processor
Cache	Primary: 16-KB data and 16-KB instruction, on chip Secondary: 2-MB external

MAIN MEMORY

	Two Sun mezzanine memory modules Minimum 512 MB; up to 1 GB maximum
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MASS STORAGE AND MEDIA

Internal disk	One 3.5-in. X 1-in., 18 GB or 36 GB
External storage	Netra st D130
Internal media	DVD ROM or DDS-4 tape drive

STANDARD INTERFACES

Network	Dual Ethernet/Fast Ethernet, STP (10-BaseT and 100-BaseT)
I/O	40-MB/sec. Ultra SCSI
Serial	Two RS-232

EXPANSION

Alarm card	6U single-slot
CompactPCI	Six standard CompactPCI 6U hot-swap slots with H.110 (rear-access models); Five standard CompactPCI 6U hot-swap slots with H.110 (front-access models); All cPCI slots conform to PICMG Specification: 2.0 Rev 3, 2.1 Rev 1, 2.5 Rev 1

SOFTWARE

Operating environment	Solaris 8
Languages	All standard Sun-supported languages

ENVIRONMENT

Power supply	-48/60 V DC nominal, 360 W per power supply
Power input	Four DC input filters, front or rear
Operating temperature	5° C to 40° C (41° F to 104° F), 5% to 85% relative humidity, noncondensing, subject to a maximum humidity of 0.024 kg water/kg dry air
Short-term operating temperature	-5° C to 50° C (23° F to 122° F), 5% to 95% relative humidity, noncondensing
Nonoperating temperature	-40° C to 70° C (-38° F to 158° F), 10% to 95% relative humidity, noncondensing
Elevation	Operating: -300 m to 1800 m
ETSI	300-19-2-3, table 3.1 climatic
Acoustic noise	Less than 60 dBA (GR-63 core)
Seismic	Meets GR-63-CORE requirements for earthquake risk zone 4 Meets ETSI 300-19-2-3, A1 operating requirements

REGULATIONS

Meets or exceeds the following:	
Safety	UL1950/CSA c22.2 No.950, EN60950 (72/73/EEC) IEC950
Emissions	CFR title47 FCC part 15, EN55022 (89/336/EEC)
Immunity	EN50082-1 (89/336/EEC)
Telecommunications	Telcordia: GR-63-core, GR-1089-core, TR-WT-000295
Safety	CUlus Mark, TUV BuART Mark, CE Mark
EMC	CE Mark (93/68/EEC) FCC Class A

CERTIFICATION

Telcordia	SR-3580 NEBS Level 3 Certified
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DIMENSIONS AND WEIGHTS

Server	
Height	512.67 mm (21.0 in.)
Depth	378.68 mm (14.91 in.)
Width	217.5 mm (8.5 in.)
Weight	38 lb. (fully loaded)
Chassis	
Height	533.64 mm (20.97 in.)
Depth	400 mm (15.7 in.)
Width	444.5 mm (17.5 in.)
Weight	74 lb. (empty), 150 lb. (full)
Rack mount	Fits into 19-, 23-, 24-in., 600 mm (requires mounting kit, 19-in. flanges supplied with product, others available as options)



Telcordia Technologies Certified #970003
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www.telcordia.com

Certified Excellence (and Design) is a certification mark of Telcordia Technologies (formerly Bellcore).

Purchase these products from the Sun™ Store, sun.com/store or contact an authorized Sun reseller near you.

NETRA ct PRODUCT PORTFOLIO

Netra ct 400	Netra ct 800	Netra ct 800 and Netra ct 400	Netra ct Chassis	Netra st D130

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