

cPCI means Business:
With its extremely high bandwidth, the CompactPCI bus is particularly suited to high-speed data communication applications such as servers, routers, converters, and switches.

Service-friendly:
Front-accessible FRUs (field replacement units) include system controller boards, I/O slots, LED panels, hard drives, fans, and power supplies.

Easy to Manage:
Remote system control, Lights Out Management, element management, and processor management services optimize manageability and availability.

Rugged and Reliable:
All the reliability of the SPARC®/Solaris™ Platform combined with ETSI compliance and NEBS Level 3 certification.

Cluster-ready:
Two Netra CT 810 servers fit into a 12RU Netra CT chassis for a modular, high-density, cluster-ready architecture.

On the Web | <http://www.sun.com>

Netra™ CT 810 Server

The general-purpose CompactPCI server built for communications and service provider infrastructures, offering Sun's Solaris OE and HA Suite, and its community of 3rd-party applications, in a rack-mount, NEBS-certified, form factor.

Maximize utilization. Minimize complexity.

The Netra CT 810 server offers Sun's Solaris Operating Environment and high availability (HA) systems software in a carrier-grade CompactPCI server. It meets the I/O density, HA, manageability and serviceability needs of network and service provider infrastructure environments, while enabling customers and partners to use a single, scalable, standards-based systems architecture from the back office to the network's edge. The NEBS Level 3-certified and ETSI-compliant Netra CT 810 server features hot-swap system and I/O expansion slots, and redundant hot-swap fans and power supplies. All active field replacement units (FRUs) are front accessible for quick and easy servicing. Moreover, two Netra CT 810 servers fit neatly side-by-side within a Netra CT chassis for a high-availability cluster solution. A single Netra CT chassis can accommodate two Netra CT 410 servers and one Netra CT 810 system—making it the ideal, flexible, modular solution for communications and service provider infrastructures.



Netra™ CT 810 Server

Specifications

Architecture

Processor	One 64-bit UltraSPARC™ III 650-MHz processor
Cache Primary:	16 KB data and 16 KB instruction; Secondary: 512 KB on board

Main Memory

Two Sun mezzanine memory modules
Minimum 1 GB; up to 4 GB maximum

Mass Storage and Media

Internal disk	Two 3.5-in. X 1-in., 36 GB or 72 GB
Internal RMM	One DVD or DAT
External storage	Sun StorEdge S1
External media tray	All standard Ultra-Wide SCSI-2 devices

Standard Interfaces

Network	Dual 10, 100, Mbps Ethernet
I/O	40-MB/sec. UW SCSI-2
Serial	Two RS-232

Expansion

CompactPCI	Six standard CompactPCI 6U hot-swap slots with H.110 All cPCI slots conform to PICMG Specification: 2.0 Rev 3, 2.1 Rev 2, 2.5 Rev 1, 2.9 Rev 1, and 2.14 Rev 1
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Software

Operating environment	Solaris 8 and 9 Sun HA Suite 2.0 and Foundation Services 2.1
Languages	All standard Sun-supported languages

Environment

Dual power supplies	-48/60 V DC nominal, 420 W per power supply, 90/220 V AC 420 W
Power input	Four AC or DC input filters, rear
Operating temperature	5° C to 40° C (41° F to 104° F), 5% to 85% relative humidity non-condensing, subject to a maximum humidity of 0.024 kg water/kg dry air
Short-term operating temperature	-5° C to 55° C, 5% to 90% relative humidity non-condensing
Nonoperating temperature	-40° C to 70° C, 5% to 90% relative humidity
Elevation operating	-300 m to 1800 m?? [Not in JTF but in your Web Materials]
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 title 47 FCC part 15, EN55022 (89/336/EDC) EN50082-1 (89/336/EEC)
Immunity	
Telecommunications	GR-63-core, GR-1089-core, TR-WT-000295
Telcordia	
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

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 DC:	400 mm (15.7 in.); AC: 467 mm (18.38 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)

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



Netra CT 810



Netra CT 410



Netra CT 810 and Netra CT 810



Netra CT Chassis



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