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Find the *Oracle / Sun Microsystems Netra CP2300S-650* at our website: *Click HERE*

Maximum Connectivity
The Netra™ CP2300 features dual Ethernet and serial ports, Ultra EIDE, and USB with PICMG HA hot-swap functionality.

NEBS-Compliant
NEBS Level 3 compliance means the Netra CP2300 can meet tough environmental and serviceability needs.

Increased Resource Utilization
A set of CP2300 servers can convert enterprise servers into a set of embedded switched-fabric distributed systems.

Cluster-Ready
Up to 18 CP2300 servers can be clustered through Sun's Netra Blade System Management and NHAS software for carrier-grade implementations of NFS, RPC, and TCP/IP.

Easily Managed
The CP2300 can be independently powered up and down, reset, and can monitor any I/O slot in an HA hot-swap-compliant chassis.

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

Netra™ CP2300 Telecom Blade Server

Sun's next-generation PICMG 2.16 single-board computer (SBC) for telecommunications and embedded applications.

SunWin Token# 369618

- UltraSPARC® IIi processor
- 512 MB on-board memory (expandable to 2.5 GB)
- Solaris 8 and 9 Operating Environments
- Netra HA Suite 2.1 (NHAS)
- Standard CompactPCI 6U form factor
- PICMG 2.16-compliant
- NEBS Level 3-compliant
- PICMG 2.1 HA hot-swap support
- 2 PMC slots
- Dual 10/100 Ethernet channels
- Dual IPMI (PICMG 2.9 support) system management buses
- UltraDMA EIDE

Typical Applications:
- Telecommunications infrastructure
- Broadband network services such as frame relay, ATM networks
- Wireless local loop modular base station
- Mobile traffic switching offices for cellular networks
- Mobile satellite systems
- Internet backbone infrastructure
- IP gateway
- Voice processing
- Call processing
- Maintenance and administration

The Netra CP2300 builds on the success of the CP2000 family of CompactPCI (cPCI) boards. Based on PICMG 2.16 Packet Switching Backplane (cPSB) specification, the CP2300 is designed to provide improved reliability, availability, and system management—completing the transformation from embedded SBC to telecom Blade server.

The Netra CP2300 offers some of the best of the enterprise computing world, including the Solaris™ Operating Environment, Netra High Availability (HA) Suite, and the vast array of applications associated with Sun's award-winning operating environment—yet its cPCI form-factor, mid-plane embedded redundant Ethernet routing, and NEBS Level 3 compliance prepare it for the tough environmental and serviceability needs of Network Equipment Providers, Defense, Aerospace, Healthcare, Semiconductor OEMs, and other specialized capital equipment manufacturers.



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Netra CP2300 Telecom Blade Server

Specifications

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

PROCESSOR
650-MHz UltraSPARC IIi, 32-KB integrated primary cache, integrated 4-way 512-KB cache

OPERATING SYSTEM SUPPORT
Solaris 8 and 9 Operating Environments

MEMORY
512 MB on-board memory
(expandable to 2.5 GB via two PC133 SODIMMs)

FLASH MEMORY
1 MB on-board boot flash,
7 MB user-programmable memory

BUS INTERFACE
Dual cPSB 10/100 Mb/sec. FastEthernet
Memory read/write 500 MB/sec. (estimated) bandwidth
Dual system management IPMI channels

HOT-SWAP
HA hot-swap compliance
Full hot-swap support

I/O INTERFACES
Two PMC slots
Two PIM interfaces on RTM (for PMC rear I/O)
One EIDE UltraDMA 100 ATA bus to RTM on-board connector
Serial ports: Two RS-232C asynchronous
(one shares front panel and RTM, one RTM only)
USB port to RTM

NETWORKING INTERFACE
Two 10/100 Ethernet channels (both rear access)

FRONT CONNECTORS
One serial mini DIN9
Two PMC slots

REAR CONNECTORS (through RTM)
Two 10/100 Ethernet RJ-45
Two serial mini DIN9
USB
External reset
Two PIMs for PMC rear I/O
UltraDMA EIDE 40-pin connector
(mutually exclusive with PIM A I/O 1-29)

SUPERVISORY
PICMG 2.9 System Management-compliant
Three-level watchdog timer; local alarm capabilities for power, thermal; FRU ID

SWITCHES
Momentary reset button/switch, abort button/switch (both buttons are recessed from front panel)

TOD/NVRAM
Clock/calendar 8 KB of NVRAM

FRONT PANEL LEDs
Power OK; PICMG hot-swap; alarm or user-defined

MECHANICAL DIMENSIONS
(Single-slot Eurocard 6U form factor)
Height: 233.3 mm (9.2 in.)
Depth: 160.0 mm (6.2 in.)
Width: 20.0 mm (0.8 in.)

POWER
Less than 25 W typical
Input power 3.3 V, 5 V required

ENVIRONMENTAL
NEBS Level 3 (GR-63-CORE, GR-1089-CORE)
MIL-STD-810E (Method 514.4, CAT I; Method 516.4, II-3.2)
Operating temperature: 0° C to 40° C; 15% to 85% RH
Nonoperating temperature: -40° C to 70° C; 5% to 95% RH
Cooling: 350 LFM
Altitude: 60 m below sea level to 4000 m above sea level

PICMG CONFORMANCE
PICMG 2.0 R3.0 (mechanical and power input compliance)
PICMG 2.1 R2.0 hot-swap
PICMG 2.10 R1.0 keying of cPCI boards and backplanes
PICMG 2.9 R1.0 system management specification
PICMG 2.15 R1 PTMC mode 0, 7
PICMG 2.16 Compact Pocket Switching Backplane (cPSB)

REGULATORY CONFORMANCE
FCC Class A, EN 55022, VCCI Class A EMI; UL 60950, CSA C2.22, EN 60950 safety; MIC EMI; BSMI Class A

MTBF
246,789 hours with 512 MB memory

TRANSITION CARD
Rear Transition Module (RTM) XCP2300-TRN

PC133 SODIMM MEMORY CARD
XCP2300-MEM-512, XCP2300-MEM-1GB

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