



rugged building block

Netra™ 120 Server

OPTIMIZE PRICE/PERFORMANCE PER RACK WITH THE RUGGEDIZED, NEBS LEVEL-3 CERTIFIED PLATFORM THAT PROVIDES EXCELLENT COMPUTE DENSITY, FLEXIBILITY, AND EXPANDABILITY.

NETRA 120 SERVER

The Sun Netra™ 120 server is the perfect system for maximizing price/performance per rack. It features a 650-MHz UltraSPARC™ Ili+ processor; two hot-swap disks; SCSI, PCI, and dual-network connectivity; and advanced reliability features in a rack-optimized 1U package. On top of that, it has a maximum of 4 GB of memory, up to two 3.5-inch x 1-inch internal disks (18- or 36-GB SCSI), and an optional 644-MB slimline CD/DVD-ROM. The result is excellent compute density, flexibility, and expandability. This ruggedized, rack-optimized system features front and rear LEDs, Lights-Out Management capabilities for easy remote management, system configuration card for high availability, and the ability to operate in harsh environments, as demonstrated by NEBS Level-3 certification. And it extends Sun's already broad line of consistent, rack-optimized SPARC™ servers, all running the Solaris™ 8 Operating Environment.

SPECIFICATIONS

PROCESSOR OPTIONS

Architecture	Superscalar SPARC™ Platform Version 9, 650-MHz processor UltraSPARC Ili+, single processor
Cache	16-KB data and 16-KB instruction on chip Secondary: 512 KB

MAIN MEMORY

PC133 Registered ECC DIMMs
4 GB maximum memory

STANDARD INTERFACES

Network	Dual Ethernet/FastEthernet, STP (10-BaseT and 100-BaseT)
I/O	80-MB/sec. Ultra 2SCSI SE/LVD
Serial	Two RS-232C/RS-423 serial ports (RJ45)
USB	Two OHCI-compliant interfaces
Expansion bus	Single full-length PCI slot compliant with PCI specification version 2.1; slot operates at 33 MHz, 32 bits
System configuration reader and card (removable)	Front accessible for transfer of system configuration information, including host ID

MASS STORAGE AND MEDIA

Internal CD	Optional 644-MB SuperSlim CD-ROM, 24X speed
Internal DVD	Optional slimline, 8X speed for DVD-ROM and 4X speed for CD-ROM
Internal disk	Up to two 3.5-in. x 1-in. disks (18 GB or 36 GB SCSI), front accessible, support for hot swap
External storage	Optional Netra™ st D130 (up to three 36-GB disks)

SOFTWARE

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

ENVIRONMENT

DC power	-40 to -75 V DC, Nominal: 58 W
Maximum operating current	4A @ -40 V DC
BTU/hr	Minimum 198 (nominal)
Operating	5° C to 40° C (41° F to 104° F) 5% to 85% relative humidity, noncondensing
Nonoperating	-40° C to 70° C (-40° F to 158° F) 10% to 95% relative humidity, noncondensing
Acoustic noise	Less than 60dBA operating

REGULATIONS

NEBS environmental criteria	Meets or exceeds the following requirements: The system conforms to GR-63-CORE issue 1, October 1995
Safety	UL 1950/CSA C22.2 No. 950, EN 60950 (73/23/EEC), IEC 950, CCIB for PSU, GOSTMark, GR-1089-CORE
Emissions	CFR Title 47 FCC Part 15, EN 55022 (89/336/EEC), GR-1089-CORE
Immunity	EN55024 (89/336/EEC), GR-1089-CORE, EN50082-1
Certifications	Safety: cULus Mark, TUV GS Mark, CE Mark EMC: CE Mark (93/68/EEC), FCC authorized Class A, VCCI, BSMI, CTICK

DIMENSIONS AND WEIGHT

Chassis	
Height	44.0 mm (1.7 in.)
Width	437.2 mm (17.2 in.)
Depth	478 mm (18.8 in.)
Weight	10 kg (22 lb.), fully configured
Enclosure	Fits 19-, 23-, 24-in., 600-mm racks

KEY APPLICATIONS

Softswitch
Media gateway
Voice navigation
Media streaming
Network management
Wireless location services
Messaging services



Netra™ 120



Netra™ 20



Netra™ t 1400/1405



Netra™ ct 400



Netra™ ct 800

HEADQUARTERS SUN MICROSYSTEMS, INC., 901 SAN ANTONIO ROAD, PALO ALTO, CA 94303-4900 USA
PHONE: 650 960-1300 or 800 555-9SUN INTERNET: www.sun.com

SALES OFFICES

AFRICA (NORTH, WEST AND CENTRAL): +9714-3366333 • ARGENTINA: +5411-4317-5600 • AUSTRALIA: +61-2-9844-5000 • AUSTRIA: +43-1-60563-0 • BELGIUM: +32-2-704-8000 • BRAZIL: +55-11-5187-2100 • CANADA: +905-477-6745 • CHILE: +56-2-3724500 • COLOMBIA: +571-629-2323 • COMMONWEALTH OF INDEPENDENT STATES: +7-502-935-8411 • CZECH REPUBLIC: +420-2-3300-9311 • DENMARK: +45 4556 5000 • EGYPT: +202-570-9442 • ESTONIA: +372-6-308-900 • FINLAND: +358-9-525-561 • FRANCE: +33-134-03-00-00 • GERMANY: +49-89-46008-0 • GREECE: +30-1-618-8111 • HUNGARY: +36-1-489-8900
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