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## Sun Fire™ V120 Server

THE HIGH-PERFORMANCE, RACK-OPTIMIZED PLATFORM THAT PROVIDES  
EXCELLENT COMPUTE DENSITY, FLEXIBILITY, AND EXPANDABILITY

## SUN FIRE™ V120 SERVER

The Sun Fire™ V120 server is the ideal system for maximizing price/performance per rack. It has everything you need out-of-the-box—all Sun Fire V120 systems come preinstalled with the Solaris™ 8 Operating Environment and include free licenses for the iPlanet™ Web Server, Enterprise Edition, and Sun's Chili!Soft™ ASP software. The merging of the Netra™ and Sun Fire product families delivers a quality, rugged commercial server that boasts a 550- or 650-MHz UltraSPARC™ Ili+ processor, two hot-swap SCSI disks, PCI, and dual-network connectivity, in a rack-optimized 1U package. Add to that advanced reliability features, a maximum of 4 GB of memory, up to two internal disks (18- or 36-GB SCSI), and an optional 644-MB slimline CD/DVD-ROM, and the result is excellent compute density, flexibility, and expandability. To swap systems without affecting software that is host ID bound, simply remove the system configuration card from the old system and insert it in the new one. No special tools are required, reducing downtime and hassle. The system also features front and rear LEDs and Lights-Out Management capabilities for easy remote management.

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## SPECIFICATIONS

### PROCESSOR OPTIONS

<b>Architecture</b>	Superscalar SPARC™ Platform Version 9, 550- or 650-MHz processors UltraSPARC Ili+, single processor
<b>Cache</b>	16-KB data and 16-KB instruction on chip Secondary: 512 KB

### MAIN MEMORY

PC133 Registered ECC DIMMs  
4-GB maximum memory

### STANDARD INTERFACES

<b>Network</b>	Dual Ethernet/FastEthernet, STP (10-BaseT and 100-BaseT)
<b>I/O</b>	80-MB/sec. Ultra 2SCSI 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 (removable)</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 DVD</b>	Optional slimline, 8X speed for DVD-ROM and 40X speed for CD-ROM
<b>Internal disk</b>	Up to two 3.5-in. x 1-in. disks (18- or 36-GB SCSI), 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>Web server software</b>	iPlanet Web Server, Enterprise Edition Apache™ HTTP Server Sun's Chili!Soft ASP software
<b>Languages</b>	Java™ programming language, all other standard Sun-supported languages
<b>Networking Management</b>	ONC™/NFS™, TCP/IP, SunLink™ OSI, MHS, IPX/SPX, DCE
<b>High availability</b>	Sun™ Management Console, SNMP, SunVTS™, SRS Ready, Lights-Out Management Sun™ Cluster 2.2

### ENVIRONMENT

<b>AC power</b>	90–264 V AC (47–63 Hz); Nominal: 98 W
<b>Input current</b>	2 A/1 A
<b>BTU/hr.</b>	Maximum: 550; Nominal: 335
<b>Operating</b>	5° C to 40° C (41° F to 104° F) 5% to 85% relative humidity, noncondensing
<b>Nonoperating</b>	-40° C to 70° C (-40° F to 158° F) 10% to 95% relative humidity, noncondensing
<b>Acoustic noise</b>	Less than 60dBA operating

### REGULATIONS

<b>Safety</b>	Meets or exceeds the following requirements: UL 1950/CSA C22.2 No. 950, EN 60950 (73/23/EEC), IEC 950, CCB for PSU, GOSTMark
<b>Emissions</b>	CFR Title 47 FCC Part 15, EN 55022 (89/336/EEC)
<b>Immunity</b>	EN55024 (89/336/EEC)
<b>Certifications</b>	Safety: cULus Mark, TUV GS Mark, CE Mark EMC: CE Mark (93/68/EEC), FCC authorized Class A, VCCI, BSMI, CTICK

### 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

### KEY APPLICATIONS

Audio/video streaming  
Directory services  
Threat management  
Virus detection  
Network management  
Bandwidth/resource management  
Web server  
News server  
Mail server  
Online store  
Caching  
Firewall  
Portal computing  
Calendar/collaborative computing  
Application development  
File and print  
Content distribution management  
Load balancing: Local  
Grid computing



Sun Fire V100



Sun Fire V120



Sun Enterprise™ 220R



Sun Fire 280R



Sun Enterprise 420R



Sun Enterprise 250



Sun Enterprise 450



Sun Fire V880



take it to the n<sup>th</sup>