

# Sun Fire™ V120 Server



The high-performance, rack-optimized platform that provides excellent compute density, flexibility, and expandability.

## Highlights

- High performance — Up to 650-MHz UltraSPARC® Ili processor, two hot-swap SCSI disks, PCI and dual-network connectivity in a rack-optimized, 1U package. Advanced reliability features, maximum 4 GB RAM, maximum two internal disks (73-GB SCSI), and an optional 644-MB slimline CD/DVD-ROM.
- Full out-of-the-box functionality — Includes free Solaris™ 8 Operating System; licenses for the Sun Java System Web Server, Enterprise Edition; and Sun's Chili!Soft™ ASP software.
- Free full-function Web Server software installed — Sun Java System Web Server software, Sun Java System Active Server Pages software, and Apache HTTP server software are all preinstalled, giving you a complete Web server solution.
- Space efficiency — Low-profile 1U form factor lets you maximize CPU density and space utilization in rack-intensive data centers.
- Maximized System Availability — The System Configuration Card (SCC) allows you to store a system's host ID, MAC address, and NVRAM settings to another server while you perform routine maintenance. As a result, system downtime is minimized.
- Remote Administration — Lights Out Management (LOM) allows you to monitor and manage multiple Sun Fire V120 servers from a single console. Automatic Server Restart (ASR) gives you the ability to restart without intervention in the event of a system failure.

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 Solaris™ 8 Operating System and include free licenses for the Sun Java System Web Server, Enterprise Edition, as well as 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 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 (73-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 into a 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. And it extends Sun's already broad line of consistent, rack-optimized servers, all running the Solaris™ 8 Operating System.



# Sun Fire V120 Server Specifications

## PROCESSOR OPTIONS

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

## MAIN MEMORY

	PC133 Registered Buffered ECC DIMMs 4 GB maximum memory
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## STANDARD INTERFACES

Network	Dual Ethernet/FastEthernet, STP (10Base-T and 100Base-T)
I/O	80-MB/sec. Ultra 2SCSI SE/LVD
Serial (RJ45)	Two RS-232C/RS-423 serial ports
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 Disk	Up to two 3.5-in. x 1-in. disks (73-GB SCSI); front accessible; support for hot swap
External Storage	Optional Netra™ st D130 (up to three 36-GB disks)

## SOFTWARE

Operating System	Solaris 8 and 9 Operating Systems
Languages	Java™ programming language; all other standard Sun-supported languages
Networking	ONC™/NFS™, TCP/IP, SunLink™ OSI, MHS, IPX/SPX, DCE
Management	Sun™ Management Console, SNMP, SunVTS™, SRS Ready, Lights Out Management
High Availability	Sun™ Cluster 2.2

## ENVIRONMENT

AC Power	90–264 V AC (47–63 Hz); Nominal: 98 W
Input Current	2 A/1 A
BTU/hr	Maximum: 550; Nominal: 335
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 60 dBA operating

## REGULATIONS

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

## DIMENSIONS AND WEIGHT

Chassis	
Height	44.0 mm (1.7 in.)
Width	437.2 mm (17.2 in.)
Depth	487.4 mm (19.2 in.)
Weight	9.0 kg (19.8 lb.)
Enclosure	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

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