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® IIi 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® IIi 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
- **Cache**: 16-KB data and 16-KB instruction on chip; Secondary: 512 KB cache on chip

### Main Memory
- **STD DIMMs**: Registered Buffered ECC DIMMs
- **Max Memory**: 4 GB maximum memory

### Standard Interfaces
- **Network**: Dual Ethernet/FastEthernet, STP (10Base-T and 100Base-T)
- **Serial**: Two RS-232C/RS-422C 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
- **Front accessible** for transfer of system configuration information, including host ID

### Mass Storage and Media
- **Internal CD**: Optional SuperSlim CD-ROM, 24X speed
- **Internal Disk**: Up to two 3.5-in. x 1-in. disks (73-GB 5KFC), 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, Suns-link 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
- **Heat/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
  - Immunity: EN55024 (89/336/EEC)
  - Certifications: Safety: cULus Mark, TUV GS Mark, CE Mark EMC: CE Mark (95/6/EC), FCC authorized Class A, VCCI, BSMI, CEN

### Dimensions and Weight
- **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