

Sun Fire™ V125 Server

Flexibility, performance, and value



Highlights

- A compact, low-cost server with the reliability of UltraSPARC® and Solaris™ technologies
- 53 percent performance increase over previous Sun Fire™ entry-level servers
- Rack-optimized, 1U/25-inch depth design
- 1.0 GHz UltraSPARC® III processor
- Up to 8 GB of memory, up to two 73/146 GB hot-plug Ultra160 SCSI disks, two Ethernet ports, and one full-length PCI slot (64-bit 33/66 MHz)
- Advanced Lights Out Manager (ALOM)
- Easy-to-use System Configuration Card (SCC) for increased availability and serviceability
- Available as a Sun™ System Pack, enabling customers to maximize their IT value while lowering total cost of acquisition and ownership
- A low-cost, 1 RU system ideal for Web server infrastructure and technical server farms

> The Sun Fire™ V125 server is a ready-to-deploy, low-cost thin server that is ideal for horizontally-scaled Solaris™ OS application environments, such as Web server infrastructure or technical server farms. Powered by a single 1.0-GHz UltraSPARC® III processor and the Solaris™ OS in a compact 1U form factor, this innovative, feature-rich server is designed to help increase availability, enhance throughput and performance, and simplify management and serviceability. The Sun Fire V125 server contains two Ethernet ports on the motherboard, offering considerable savings over systems that use separate PCI cards, and comes standard with the industry's only System Configuration Card (SCC), which is easily transferable to a standby system for increased system availability and quick upgrades or repairs. Advanced Lights Out Manager (ALOM) also helps enable remote management for a large number of servers from virtually anywhere on the network.

What's more, the Sun Fire V125 server comes pre-installed with the most highly available, secure, reliable UNIX® operating system on the planet—the Solaris 10 OS. With the Solaris Application Guarantee, we ensure Solaris binary compatibility from release to release. Plus, Solaris Containers enable you to safely consolidate multiple applications onto a single system to virtualize your environment, increase utilization rates, and cut system and licensing costs.

The Sun Fire V125 server is available as a Sun System Pack. This offering combines the server with the right services, enabling customers to yield the most value from their assets. The Sun System Packs provide significant advantages over traditional warranty plans by delivering higher value

services such as better service coverage, automatic OS updates, and training credits.

Better yet, the Sun Fire V125 server is part of the Sun Customer Ready Program, which delivers factory-integrated, end-to-end, easy-to-deploy solutions that are built to meet specific customer requirements. This Program can be leveraged to help with design validation, integration and testing of Sun and third-party components. Additionally, the Sun Customer Ready Program offers a broad range of services to deliver complete life cycle management of the IT infrastructure. Sourcing the solutions through the Program simplifies and reduces risk, eliminates the guesswork in customers' IT projects, and accelerates time to productivity for Sun's customers.

Sun Fire V125 Server Specifications

Key applications

- Web server
- Security
- Application development
- Portal gateway
- Grid engine
- Technical computing

Processor

Processor	One 1.0 GHz UltraSPARC IIIi
Architecture	64-bit, four-way superscalar SPARC® V9
Cache	64 KB data, 32 KB instruction, and 1 MB integrated L2 cache

Main memory

- Four DIMMs; from 1 GB to 8 GB

Standard/integrated interfaces

Network	Two 10/100/1000Base-T Ethernet ports
Network management	One 10Base-T Ethernet
Serial management	One TIA/EIA-232-F (RJ45) port
Serial	One TIA/EIA-232-F asynchronous (DB9) port
SCSI	One Ultra160SCSI multimode (SE/LVD)
USB	Two OHCI 1.0-compliant interfaces, supporting dual speeds of 1.2 and 1.5 Mb/s each
Expansion bus	One 64-bit 33/66 MHz full-length PCI 2.2 compliant slot; accepts 3.3V and universal cards
System configuration card and reader (removable)	Front accessible for transfer of system configuration information, including host ID, MAC address and NVRAM

Mass storage and media

Internal disk	<ul style="list-style-type: none"> • Up to two hot-plug Ultra160 SCSI 73/146 GB disks • Mixing of disk capacities supported
Internal DVD	One slimline ATAPI DVD-ROM (optional)
External disk	<ul style="list-style-type: none"> • Sun StorageTek™ S1 Array • Sun StorageTek 3120, 3310, 3320 SCSI Arrays • Sun StorageTek 3510, 3511, 3520 FC Arrays • Sun StorageTek 5310 Array • Sun StorageTek 6140 Array • Sun StorageTek 9990, 9980, 9970, 9960, 9910 Series (approval pending) • Sun StorageTek D240 Media Tray
External tape	<ul style="list-style-type: none"> • Sun StorageTek DAT 72 Tape • Sun StorageTek L8 Tape Autoloader (LTO 2, LTO3, and SDLT320) • Sun StorageTek L25 Tape Library (Solaris 9 and 10 OS only, LTO2, LTO3)

- Sun StorageTek L500 Tape Library
- Sun StorageTek C2 Autoloader
- Sun StorageTek C4 Tape Library
- Sun StorageTek SDLT 600 Tape

Software

Operating system	<ul style="list-style-type: none"> • Solaris 10 OS • Solaris 9 OS (beginning with 09/04) • Solaris 8 OS (beginning with 02/04)
Languages	<ul style="list-style-type: none"> • C/C++, FORTRAN • Java™ programming language • All other standard Sun-supported languages
Networking	ONC™, NFS, TCP/IP, SunLink™, OSI, MHS, IPX™/SPX
Management	Sun™ Management Center, Sun SNMP Management Agent, Advanced Lights Out Management (ALOM), Sun Net Connect, Sun Update Connection
High availability	<p>Sun™ Cluster 3.x, Sun Java™ Enterprise System Software—preinstalled with a 90-day evaluation license for:</p> <ul style="list-style-type: none"> • Network identity services <ul style="list-style-type: none"> – Sun Java™ System Directory Server 5 2005Q1 – Sun Java System Access manager 6 2005Q1 – Sun Java System Directory Proxy Server 5 2005Q1 • Web and application services <ul style="list-style-type: none"> – Sun Java System Application Server Enterprise Edition 8.1 2005Q1 – Sun Java System Message Queue 3 2005Q1 Enterprise Edition – Sun Java System Web Server 6.1 Service Pack 4 2005Q1 • Portal services <ul style="list-style-type: none"> – Sun Java System Portal Server 6 2005Q1 – Sun Java System Portal Server Mobile Access 6 2005Q1 – Sun Java System Portal Server Secure Remote Access 6 2005Q1 • Communication and collaboration services <ul style="list-style-type: none"> – Sun Java System Messaging Server 6 2005Q1 – Sun Java System Calendar Server 6 2005Q1 – Sun Java System Instant Messaging 7 2005Q1 • Availability services <ul style="list-style-type: none"> – Sun™ Cluster 3.1 9/04 – Sun Cluster Agents for Sun™ ONE Services (Web, application, directory, messaging and calendar servers, and message queue)

Learn More.

For more information on the Sun Fire V125 server visit sun.com/v125

Regulations (meets or exceeds the following requirements)

Safety	EC60950, UL/CSA60950, EN60950
RFI/EMI	FCC Class A, Part 15 47 CFR, EN55022, CISPR 22
Immunity	EN55024

Certifications

Safety	cULus Mark, TUV GS Mark, CE Mark, S-Mark, CCC, GOST
EMC	CE Mark (93/68/EEC), FCC authorized Class A, ICES/VCCI, BSMI, CTICK, MIC, CCC, GOST
RoHS	RoHS-compliant with lead-in solder exemption

Dimensions and weight

Chassis	<ul style="list-style-type: none"> • H: 43.2 mm (1.7 in.) • W: 425 mm (16.73 in.) • D: 635 mm (25 in.)
Weight	12.3 kg maximum (w/o packaging)
Enclosure	Fits into a standard 19-inch-wide rack. Four-post rack kit adjustable between 720 mm and 925 mm. Check compatibility for non-Sun racks.

Environment

AC power	90-264 V AC, 47-63 Hz
Maximum AC power	<ul style="list-style-type: none"> • 227 watts maximum, 775 BTU/hour maximum • 2.3 A at 100 VAC, 2.1 A at 110 VAC, 1.1 A at 220 VAC, 1.0A at 240 VAC
Maximum DC output	320W
Typical AC power	162 watts, 553 BTU/hour
Operating temperature	5°C to 35°C (41°F to 95°F), 10-90 percent relative humidity, non-condensing, 27°C max. wet bulb
Operating altitude	Up to 3000 m, maximum ambient temperature is derated by 1° C per 500 m above 500 m
Nonoperating temperature	-40°C to 65°C (-40°F to 149°F), up to 93 percent relative humidity, noncondensing, 38°C max. wet bulb
Nonoperating altitude	Up to 12000 m
Acoustic noise	Less than 7.3 B sound power in ambient temperature of up to 24°C

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