



Sun Fire™ V125 Server

Flexibility, performance and value.



A Compact, Low-Cost Server with the Reliability of UltraSPARC®/Solaris™ OS

The Sun Fire™ V125 server is a ready-to-deploy, low-cost thin server that is ideal for horizontally-scaled Solaris™ application environments, such as web server infrastructure or technical server farms. Powered by a single 1.0 GHz UltraSPARC® IIIi processor and the Solaris™ OS in a compact 1 RU form factor, this innovative, feature-rich server is designed to help increase availability, enhance throughput and performance, and simplify management and serviceability. It contains two Ethernet ports on the motherboard, offering considerable savings over systems that use separate PCI cards. The Sun Fire V125 server also 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 Management (ALOM) also helps enable remote management for a large number of servers from virtually anywhere on the network.

Key Feature Highlights

- 53% performance increase over previous Sun Fire Solaris Workgroup entry-level servers
- Rack-optimized, 1 RU/25-inch depth design
- 1.0 GHz UltraSPARC® IIIi processor
- Up to 8 GB memory
- Two Ethernet ports
- Up to two 73/146 GB, hot-plug Ultra160SCSI disks
- One full-length PCI slot (64-bit 33/66 MHz)
- Single power supply
- Advanced Lights Out Management (ALOM)
- Easy-to-use System Configuration Card (SCC) for increased availability and serviceability
- Comes with the Solaris™ Operating System, Sun Java™ Enterprise System software, Sun Cluster 3.x software, and a variety of networking and management tools

Sun Fire V125 Server Specifications

Processor Options

Processor	One 1.0 GHz UltraSPARC IIIi
Architecture	64-bit, 4-way superscalar SPARC® V9
Cache	64 KB data, 32 KB instruction, and 1 MB integrated L2

Main Memory

4 DIMMs; from 1 GB to 8 GB
System configurations from 512 MB to 8 GB

Key Applications

Web Server
Security
Application Development
Portal Gateway
Grid Engine
Technical Computing

Dimensions and Weight

Chassis	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.

Standard/Integrated Interfaces

Network	Two 10/100/1000Base-T Ethernet ports
Network management	One 10Base-T Ethernet port
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 12 and 1.5 Mbits/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
Security	Optional Sun Crypto 500 accelerator card, offering security protocol acceleration via a daughter card

Power Supplies

One power supply	
Maximum DC output	320 W

Mass Storage and Media

Internal disk	Up to two hot-plug Ultra160SCSI 73/146 GB disks Mixing of disk capacities supported
Internal DVD	One Slim-line ATAPI DVD-ROM (optional)
External disk	Sun StorageTek S1 Array* Sun StorageTek 3310 SCSI Array* Sun StorageTek 3120 SCSI Array* Sun StorageTek 3320 SCSI Array Sun StorageTek 3510 FCAL Array Sun StorageTek 3511 FCAL Array Sun StorageTek 3520 FCAL Array Sun StorageTek 5310 Array Sun StorageTek 9990, 9985, 9980, 9970, 9960, 9910 series Sun StorageTek D240 Media Tray Sun StorageTek® Flex 210 Sun StorageTek Flex 240
External tape	Sun StorageTek DAT 72 Tape Sun StorageTek L8 Tape Autoloader (LT02, LT03 and SDLT320) Sun StorageTek L25 (Solaris 9 and 10 only, LT02, LT03) Sun StorageTek L100 (Solaris 9 and 10 only, LT02, LT03) Sun StorageTek L500 Sun StorageTek C2 Sun StorageTek C4 Sun StorageTek C10 Sun StorageTek SDLT 600

* Indicates support for direct attachment to server external SCSI port

Software

Operating System	Solaris 10 OS Solaris 9 beginning with 09/04 Solaris 8 beginning with 02/04
Languages	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	Sun™ Cluster 3.x

Sun Java™ Enterprise System Software – Preinstalled with a 90 day evaluation license for:

- Network Identity Services
 - 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
 - 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
 - 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
 - Sun Java System Messaging Server 6 2005Q1
 - Sun Java System Calendar Server 6 2005Q1
 - Sun Java System Instant Messaging 7 2005Q1
- Availability Services
 - Sun™ Cluster 3.1 9/04
 - Sun Cluster Agents for Sun™ ONE Services (Web, App, Directory, Messaging and Calendar Servers and Message Queue)

Get the details.

Learn more about the Sun Fire V125 server—a low-cost, 1 RU system ideal for web server infrastructure and technical server farms—by visiting: sun.com/v125.

Environment

AC power	90–264 V AC (47–63 Hz)
Operating temperature	5°C to 35°C (41°F to 95°F), 10% to 90% relative humidity, non-condensing, 27°C max wet bulb
Non-operating	-40°C to 65°C (-40°F to 149°F, temperature up to 93% relative humidity, non-condensing, 38°C max wet bulb
Operating altitude	Up to 3,000 mm, maximum ambient temperature is derated by 2°C per 500 m above 500 m
Non-operating altitude	Up to 12,000 mm
Acoustic noise	Less than 7.3B sound power in ambient temperature of up to 24°C

Regulations (meets or exceeds the following)

Safety	IEC60950, UL/CSA60950, EN60950
RFI/EMI	FCC Class A, Part 15 47 CFR, EN55022, CISPR 22
Immunity	EN55024
Certifications	<ul style="list-style-type: none"> • 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