

# Sun Fire™ V65x Server



The powerful, expandable two-way Intel Xeon server for compute-intensive environments.

## Key feature highlights

The expandable computing solution:

The ideal enterprise solution for Edge Computing, corporate compute farms, hosting, and custom-application deployment.

Complete system management:

Coupling the Sun™ Control Station and IPMI simplifies daily operations, helping to lower TCO.

Supports standard Linux distributions or the Solaris™ Operating System:

System fully tested with several standard Linux distributions and a variety of Sun development tools. The Solaris Operating System is also available as an option.

World-class Sun support:

A single, highly responsive source for the same service experience and industry-best practices you've grown to trust for all of your Sun products.

## Choice, performance, and flexibility.

Fast enough to handle the toughest modeling and simulation applications. Flexible enough to grow with your needs for years to come. Designed and priced to improve your total cost of ownership. The Sun Fire™ V65x server is a dual-processor, rack-mounted server that uses the latest Intel Xeon processors, providing high performance and reliability at PC-server pricing. The Sun Fire V65x server combines aggressive power with the Sun core values of openness, flexibility, and simplified loading and management of servers. It will run either Red Hat Enterprise Linux, SuSE Linux Enterprise Server, or the Solaris x86 Operating System with support for Sun Java™ System (formerly Sun™ ONE) architecture on both operating environments. And with cross-platform support for standard Linux distributions, the Solaris Operating System, UNIX®, and Java™ technologies, it's a powerful—and reliable—platform that provides investment protection for software developers and enterprise customers.



## Sun Fire V65x Specifications

### Architecture

Processor	Single or dual 2.8-GHz or 3.2-GHz Intel Xeon
Cache	1 MB cache (3.2-GHz), 512 KB cache (2.8-GHz)
Memory (min./max.)	512 MB/12 GB
Front side bus	533 MHz
Chipset	Intel E7501
Ethernet port	Dual Integrated 10/100/1000-NIC
Embedded SCSI	Dual-channel Ultra320 SCSI
Bays	Six SCSI HDD bays, one 24x CD-ROM/floppy or optional 8x DVD-ROM/floppy
Drives	36-GB and 73-GB (10K RPM) Ultra320 SCSI drives supported
I/O slots	Six 64-bit/100-MHz PCI-X slots, three full size and three low profile
Video ports	ATI Rage XL (front and rear), one RS232 RJ45 connector (rear accessible), three USB ports (one front, two rear), rear Ultra320 SCSI connector, VGA video connector (front and rear)
Remote management	IPMI and DMI compliant, Management Service Processor
Serviceability	Tool-free case Reduced internal cabling

### Operating Systems

Red Hat Enterprise Linux  
SuSE Linux Enterprise Server  
Solaris Operating System

### Optional Software Available

**Solaris Operating System:** Java 2 Standard Edition, SunScreen™ (firewall), MySQL (database), Apache (Web server), WU-FTP (FTP), Sendmail (e-mail server), Bind (DNS server), and Sun Grid Engine

Additional Solaris solutions running on x86 can be found at: <http://www.sun.com/software/solaris/x86/index.html>

### Environmental

<b>Ambient Temperature</b>	
Operating temperature:	+10°C to +35°C
Nonoperating temperature:	-40°C to +70°C
<b>Vibration</b>	
Operating vibration:	0.15 G z-axis; 0.10 G x- and y-axis, 5 to 500 Hz sine
Nonoperating vibration:	0.5 G z-axis; 0.25 G x- and y-axis, 5 to 500 Hz sine
<b>Shock</b>	
Operating shock:	3 G, 11 ms, half-sine

### LEDs

Front-panel LEDs	Network1, Network2, Power, System Status/Fault, Hard Disk Activity, System ID
Rear-panel LEDs	Network Connection/Activity, Network Speed, System ID, Self-test, Power Supply

### Power

100-240 V, 50/60 Hz, 500 W dual PFC supply, dual redundant fans

### Regulations

Meets or exceeds the following regulations:  
FCC Class A, CISPR 22A, VCCI-A, UL, CE, Aустel, BSMI, GOST R, MIC, Nemko GS, Canada ICES-003 Class A

### Dimensions and Weight

Height	3.50 in. (87 mm)
Width	16.93 in. (430 mm)
Depth	25.21 in. (648 mm)
Weight	Approximately 50 lbs. (unpacked two-drive server), approximately 55 lbs. (pack- aged)

### Mounting Options

Four-post mount  
Two-post midmount  
Two-post front mount

### See Also: Sun Fire Blade Platform



- Supports up to 16 blades in a 3U chassis
- Hot-swappable Customer Replaceable Units (CRUs)
- Gigabit Ethernet switch fabric

The Sun Fire Blade Platform is the only blade platform that lets you mix, match, and manage SPARC® and x86 architectures; Solaris and Linux operating systems; and specialty blades. The Sun Fire Blade Platform is designed for customers who need high availability, horizontally scalable processing power, and lower total cost of ownership.

More at: <http://www.sun.com/servers/entry/blade>