

Sun Fire™ V245 Server

Enhanced performance,
simplified management



Highlights

- A compact, cost-effective, multiprocessor system
- Rack-optimized, 2U/24-inch depth design
- Up to two 1.5-GHz UltraSPARC® IIIi processors
- Up to 16 GB memory
- Up to four 73 GB SAS 2.5-inch disks, 146 GB drives optional
- Four PCI slots; two PCI-X, and two PCIe
- Redundant power supplies and cooling fan trays
- Includes the Solaris™ OS, Sun Java™ Enterprise System software, remote management, and a variety of I/O connectivity—all standard
- Protect your IT investments while improving performance with the Sun Upgrade Advantage Program. Learn more at sun.com/tradeins
- A datacenter-class server for CRM/ERP applications, application servers, and other network services
- Available as a Sun™ System Pack, enabling customers to maximize their IT value while lowering total cost of acquisition and ownership

➤ Powered by up to two 1.5-GHz UltraSPARC® IIIi processors and the Solaris™ Operating System, the Sun Fire™ V245 server provides high-availability and scalability in a compact, 2U package—making it an ideal fit for the datacenter. Four auto-negotiating Gigabit Ethernet ports provide multiple connectivity for high-speed, high-bandwidth networking, while hot-plug, front-accessible disk drives and redundant, hot-swappable power supplies ease serviceability and enhance system performance. With expandability features such as four PCI slots, up to four disk drives, and 16 GB of memory, the rack-optimized Sun Fire V245 server easily scales to meet the needs of any datacenter.

In addition, the Sun Fire V245 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 V245 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. Sun System Packs offer significant value advantages over traditional warranty plans by delivering higher value services, such as better service coverage, automatic OS updates, and training credits—all of which enable customers to accelerate performance from

day one. The predictable, transparent pricing for Sun System Packs is lower than purchasing the server and services individually; in fact, in some cases the basic server warranty could cost more than a Sun System Pack.

Better yet, the Sun Fire V245 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.

Sun Fire V245 Server Specifications

Processor options

Processor	One or two 1.5 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 DIMM slots per processor, registered DDR-1 SDRAM (PC2700) 128-bit plus+ ECC data bus
- System configurations from 1 GB to 16 GB

Standard/integrated interfaces

Network	Four 10/100/1000Base-T Ethernet
Network management	One 100Base-T Ethernet
Serial management	One TIA/EIA-232-F (RJ45) port
Serial port	One asynchronous (RJ45) serial communications port
USB	Two USB 1.1 ports supporting speeds of 12 Mb/s and two USB 2.0 ports supporting speeds of 480 Mb/s
Expansion bus	Two PCI-X 133 MHz/64-bit full-height slots; (one full-length and one short slot) and two PCIe low-profile/short slots with 16-way connector; (one x8 lane and one x4 lane)
System configuration	Removable ID module on motherboard

Mass storage and media

Internal disk	Up to four hot-plug 73 GB SAS disks, 146 GB disks are optional
Internal DVD	One slimline ATAPI DVD-Dual drive
External disk	<ul style="list-style-type: none"> • Sun StorageTek™ A5100, A5200 Arrays • Sun StorageTek S1 Array • Sun StorageTek T3B Array • Sun StorageTek D240 Media Tray • Sun StorageTek 3120 SCSI Array and SCSI RAID/JBOD Array • Sun StorageTek 3310 SCSI RAID/JBOD Array • Sun StorageTek 3320 SCSI Array • Sun StorageTek 3330 ELA Array • Sun StorageTek 3510 FC RAID/JBOD Array • Sun StorageTek 3511 FC Array with SATA RAID/JBOD Array • Sun StorageTek 5310 Array • Sun StorageTek 99xx Series • Sun StorageTek 6130 with Management Software Unity 3.1 • Sun StorageTek 6140, 6540 Arrays • Sun StorageTek 6920, 6940 Systems

External tape

- Sun StorageTek DAT 72 Tape, USB and SCSI, desktop and rackmount
- Sun StorageTek LTO 2 Half-height Tape, desktop and rackmount
- Sun StorageTek LTO 2 Tape, desktop
- Sun StorageTek LTO 3 Tape, desktop and rackmount
- Sun StorageTek SDLT 600 Tape, desktop and rackmount
- Sun StorageTek L8 Tape Autoloader SDLT 320 and LTO 2
- Sun StorageTek L25, L100 LTO 2
- Sun StorageTek L500 with LTO 2, LTO 3, and SDLT 600 drives
- Sun StorageTek C2 Autoloader with LTO 2 HH, LTO 3, and SDLT 600 drives
- Sun StorageTek C4 Tape Library with LTO 2, LTO 3, and SDLT 600 drives
- Sun StorageTek C4 Tape Library Native FC with LTO 3, and SDLT 600 drives FC bridge card for Sun StorageTek C4 Tape Library with LTO 2, LTO 3, and SDLT 600 drives

Software

Operating system	<ul style="list-style-type: none"> • Solaris 10 OS (beginning with 06/06) • Solaris 9 OS (beginning with 09/05 HW) • Solaris 10 OS preinstalled
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
Sun Java™ Enterprise System ¹	<ul style="list-style-type: none"> • Sun Studio 11 software (preinstalled) • Sun Java™ Enterprise System Release 4 (preinstalled)

Regulations (meets or exceeds the following requirements)

Safety	IEC60950, 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

Learn More.

For more information on the Sun Fire V245 server visit sun.com/v245

Dimensions and weight

Chassis	<ul style="list-style-type: none"> • H: 88.9 mm (3.5 in.) • W: 457.2 mm (18 in.) • D: 609.6 mm (24 in.)
Weight	19 kg (41.8 lb.) fully configured; 22.4 kg (49.31 lb.) with rackmount rails and cable management arm
Enclosure	Fits into a standard 19-inch-wide rack. Four-post rack kit adjustable between 720 mm and 925 mm.

Key applications

- Application server
- ERP/CRM/E-commerce
- Web server
- Security portal server

Power supplies

- One required, two for redundancy (hot-swappable) with separate power cords
- Maximum DC output 400W

Environment

AC power	90-264 V AC, 47-63 Hz
Maximum AC power	<ul style="list-style-type: none"> • 351 watts maximum • 1,198 BTU/hour maximum • 3.6 A @ 100 VAC, 3.3 A @ 110 VAC, 1.7 A @ 220 VAC, 1.6 A @ 240 VAC
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 7.1 B sound power in ambient temperature of up to 24°C

¹ 90-day evaluation version.