

Sun Fire™ V245 Server

Enhanced Performance. Simplified Management.



A Compact, Cost-Effective, Multiprocessor System in a Small Package

Powered by up to two 1.5 GHz UltraSPARC® IIIi processors and the Solaris™ OS, the Sun Fire V245 server provides high-availability and scalability in a compact, 2 RU package – making it an ideal fit for the data center. 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 data center.

Key Feature Highlights

- Rack-optimized, 2 RU/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
- Four PCI slots; two PCI-X, two PCIe
- Redundant power supplies and cooling fan trays
- Comes with Solaris™ Operating System, remote management, Sun Java™ Enterprise System software, 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

Sun Fire V245 Server Specifications

Processor Options

Processor	One or two 1.5 GHz UltraSPARC IIIi
Architecture	64-bit, 4-way superscalar SPARC® V9
Cache	64 KB data, 32 KB instruction and 1 MB integrated L2 cache

Main Memory

4 DIMM slots per processor, registered DDR-1 SDRAM (PC2700) 128 bit + ECC databus 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 Mbps and two USB 2.0 ports supporting speeds of 480 Mbps
Expansion Bus	Two PCI-X 133 MHz/64-bit full-height slots; one full-length and one short slot Two PCIe low-profile/short slots with 16-way connector; one x8 lane and one x4 lane
System Configurations	Removable ID Module on motherboard

Mass Storage and Media

Internal Disk	Up to four hot plug 73 GB SAS disks
Internal DVD	One slimline ATAPI DVD-Dual drive
External Disk	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 Array Sun StorageTek 3330 ELA Array Sun StorageTek 3510 FC RAID/JBOD Array Sun StorageTek 3511 FC Array with SATA RAID/JBOD Sun StorageTek 5310 Array Sun StorageTek 99xx series Sun StorageTek 6130 with Management Software Unity 3.1 Sun StorageTek 6140 Array Sun StorageTek 6540 Array Sun StorageTek 6920 Array Sun StorageTek 6940 Systems
External Tape	Sun StorageTek DAT 72 tape drives, USB and SCSI, desktop and rackmount Sun StorageTek LTO 2 half-height tape drives, desktop and rackmount Sun StorEdge LTO 2 tape drive, desktop Sun StorageTek LTO 3 tape drive, desktop and rackmount Sun StorageTek SDLT 600 tape drive, desktop and rackmount Sun StorageTek L8 tape autoloader SDLT320 and LTO 2 Sun StorageTek L25 LTO 2 Sun StorageTek 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 with LTO 2, LTO 3 and SDLT 600 drives Sun StorageTek C4 Native FC with LTO 3 and SDLT 600 drives FC bridge card for Sun StorageTek C4 with LTO2, LTO 3, and SDLT 600 drives

Software

Operating System	Solaris 10 OS beginning with 6/06 Solaris 9 OS beginning with 09/05 Solaris 10 preinstalled
Languages	C/C++, FORTRAN, Sun 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*	Studio 11 software (preinstalled) Sun Java™ Enterprise System Release 4 (preinstalled)

Power Supplies

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

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 Temperature	-40° C to 65° C (-40° F to 149° F), up to 93% relative humidity, non-condensing, 38° C max. wet bulb
Operating Altitude	Up to 3,000 m, maximum ambient temperature is derated by 1° C per 500 m above 500 m
Non-operating Altitude	Up to 12,000 m
Acoustic Noise	Less than 7.1B sound power in ambient temperature of up to 24° C

Get the details.

Learn more about the Sun Fire V245 – a 2RU, data center-class server for CRM/ERP applications, application servers, and other network services – by visiting: sun.com/v245.

Regulation (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

Dimensions and Weight

Chassis	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

* 90 day evaluation version