

Sun Fire™ V240 Server



This rack-optimized, dual-processor system provides data center-class availability in a 2RU package at PC pricing.

Key feature highlights

- Rack-optimized, 2RU/25-in.-depth design
- Up to 2 x 1.34-/1.5-GHz processors
- Up to 8 GB memory
- Up to 2 x 73-/146-GB, hot-swap, UltraSCSI disks
- Three full-length PCI slots (1 x 64-bit/66-MHz and 2 x 64-bit/33-MHz)
- Redundant power supplies and power cords
- Comes with Solaris™ Operating System, remote management, Sun Java™ Enterprise System software, and a variety of I/O connectivity—all standard

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

Powered by up to two 1.34-/1.5-GHz UltraSPARC® III processors, the Sun Fire V240™ server is an entry-level, data center-class server. It provides high availability and expandability in a compact, 2U package. Four autonegotiating Gigabit Ethernet ports provide multiple connectivity for high-speed, high-bandwidth networking, while hot-swappable, front-accessible disk drives and redundant, hot-swappable power supplies (with independent cords) further enhance the Sun Fire V240 server's uptime. With expandability features such as three PCI slots, up to four disk drives, and eight GB of memory, the rack-optimized Sun Fire V240 server easily scales to meet the needs of Tier 1 and Tier 2 applications. With a low-cost, integrated SSL option on the motherboard, the Sun Fire V240 server provides fast, secure Web transactions without sacrificing CPU cycles or a PCI slot. The standard System Configuration Card and serviceability features help enable quick upgrades and repairs, while the unit's Sun Advanced Lights Out Manager (ALOM) provides remote management to a large number of servers from virtually anywhere on the network.



Sun Fire V240 Server Specifications

Processor Options

Processor	One or two 1.34/1.5-GHz UltraSPARC III
Architecture	64-bit, 4-way superscalar SPARC® V9
Cache	64 KB data, 32 KB instruction and 1-MB integrated L2

Main Memory

	4 DIMM slots per processor, registered DDR-1 SDRAM (PC2100) 128 bit + ECC databus system configurations from 512 MB to 8 GB
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Standard/Integrated Interfaces

Network	Four 10/100/1000Base-T Ethernet
Network Management	One 10Base-T Ethernet
Serial Management	One TIA/EIA-232-F (RJ45) port
Serial Port	One TIA/EIA-232-F asynchronous (DB9)
SCSI	One Ultra160SCSI multimode (SE/LVD)
USB	Two OHCI-1.0-compliant interfaces, supporting dual speeds of 12 and 1.5 Mbits/sec. each
Expansion Bus	Three internal PCI 2.2-compliant expansion slots: One 64-bit, 33/66-MHz, 3.3-V, full-length Two 64-bit, 33-MHz, 5-V, full-length
System Configuration	Front-accessible for transfer of system configuration information, including host ID reader and card (removable)
Security	Optional Hardware Cryptographic Module, offering security protocol acceleration via a daughtercard

Mass Storage and Media

Internal Disk	Up to four hot-swap, Ultra160SCSI 73/146-GB disks. Mixing of drives is permitted in the combinations: 1 x 73-GB and 1 x 146-GB 2 x 73-GB and 2 x 146-GB
Internal DVD	One Slimline ATAPI DVD-ROM (optional)
External Disk	Sun StorEdge™ S1 array*, Sun StorEdge T3B array, Sun StorEdge 3310 SCSI array*, Sun StorEdge 3120 SCSI array*, Sun StorEdge 3510 FCAL array, Sun StorEdge 9990 series (9970, 9980) via HBA's x6727A/SG-XPC11FC-JF2 (F-port)/SG-XPC12FC-HF2 (F-port) Sun Storage D240 media tray

* Indicates support for direct attachment to server external SCSI port

External Tape

Sun StorEdge DAT 72 Tape*
Sun StorEdge L8 Tape Autoloader (Solaris™ 8 and Solaris 9, LT02 and SDLT320)
Sun StorEdge L25 via x6758A HBA (Solaris 9 only, LT02)
Sun StorEdge L100 via x6758A HBA (Solaris 9 only, LT02)

* Indicates support for direct attachment to server external SCSI port

Software

Operating System	Solaris 10, Solaris 9 (hardware release 09/04 or later); Solaris 8 (hardware release 12/02 or later) supported
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, SunVTS™, SRS Ready, SRM, ALOM
Sun Java™ Enterprise System	Included with the Sun Fire V240 server is a 90-day evaluation license for: Sun Java™ System Directory Server 5.2; Sun Java™ Identity Server 6.1; Sun Java™ System Directory Proxy Server 5.2; Sun Java™ System Application Server 7 Update 1, Platform Edition; Sun Java System Application Server 7 Update 3, Standard Edition; Sun Java™ System Message Queue 3.0.1 Service Pack 2, Platform Edition; Sun Java™ Message Queue 3.0.1 Service Pack 2, Enterprise Edition; Sun Java™ Web Server 6.1; Sun Java™ Portal Server 6.2; Sun Java™ Portal Server, Secure Remote Access 6.2; Sun Java™ Messaging Server 6.0; Sun Java™ Calendar Server 6.0; Sun Java™ Instant Messaging 6.1; Sun Java™ System Cluster 3.1

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 40° C (41° F to 104° F), 10% to 90% relative humidity, noncondensing, 27° C max. wet bulb

Nonoperating Temperature	-40° C to 65° C (-40° F to 149° F), up to 93% relative humidity, noncondensing, 38° C max. wet bulb
Altitude (Operating)	Up to 3000m, maximum ambient temperature is derated by 1° C per 500m above 500m
Altitude (Nonoperating)	Up to 12,000m
Acoustic Noise	Less than 7.1B sound power in ambient temperature of up to 24° C

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

Dimensions and Weight

Chassis	87.66mm (3.4 in.) H x 425mm (16.73 in.) W x 635mm (25 in.) D
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-in.-wide rack. Four-post rack kit adjustable between 720mm and 925mm

Key Applications

	Application Server ERP/CRM/E-commerce Web Server Security Portal Server
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Get the details.
Learn more about the Sun Fire V240 — a 2U, data center-class server for CRM/ERP applications, application servers, and other network services — by visiting sun.com/v240.

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