Sun Fire™ V210 Server

This rack-optimized server sets the standard for all-in-one solutions with comprehensive, industry-leading features packed into a 1RU package at PC pricing.

Key feature highlights

- Rack-optimized, 1RU/25-in.- depth design
- Up to 2 x 1-GHz processors
- Up to 8 GB memory
- Up to 2 x 36/73/146-GB, hot-swap, UltraSCSI disks
- 1 full-length PCI slot (64-bit/66-MHz)
- Single power supply
- Four Integrated Gigabit Ethernet ports
- SSL encryption daughtercard that plugs onto the system motherboard
- Comes with Solaris™ Operating System, remote management, Sun Java™ Enterprise System software, and a variety of I/O connectivity—all standard

Superior Performance Combined with Industry-Leading Functionality

Standard with everything a customer could want, the Sun Fire™ V210 is the ultimate high-density, rack-optimized server. Powered by up to two 1-GHz UltraSPARC® IIIi processors in a compact, 1U form factor, the Sun Fire V210 server is a true all-in-one solution. Four auto-negotiating Gigabit Ethernet ports provide multiple connectivity for high-speed, high-bandwidth networking.
The first server with a low-cost integrated SSL option on the motherboard, the Sun Fire V210 server provides fast, secure Web transactions without sacrificing CPU cycles or a PCI slot. Hot-swappable, front-accessible SCSI disks make the Sun Fire V210 reliable and easy to maintain, service, and upgrade. The standard System Configuration Card and serviceability features 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 V210 Server Specifications

Processor Options

Processor	One or two 1-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 DIMM slots per processor, registered DDR-1 SDRAM (PC2100) 128 bit + ECC databus system configurations from 512 MB to 8 GB

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	One 64-bit 33/66-MHz, 3.3V, full-length slot (PCI 2.2-compliant)
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 daughter card

Mass Storage and Media

Internal Disk	Up to two hot-swap Ultra160SCSI 36/73/146-GB disks. Mixing of drives is permitted in the combinations: 1 x 36-GB & 1 x 73-GB 1 x 36-GB & 1 x 46-GB 1 x 73-GB & 1 x 146-GB
Internal DVD	One Slimline ATAPI DVD-ROM (optional)
External Disk	Sun StorEdge™ S1 array* Sun StorEdge 3310 SCSI array* Sun StorEdge 3120 SCSI Array* Sun StorEdge 3510 FCAL array Sun StorEdge 9900 series (9970, 9980) via HBA's x6727A/SG-XPCI1FC-JF2 (F-port)/SG-XPCI2FC-JF2 (F-port)

* 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, LTO2 & SDLT320); Sun StorEdge L25 via X6758A HBA (Solaris 9 only, LTO2); Sun StorEdge L100 via X6758A HBA (Solaris 9 only, LTO2)

* Indicates support for direct attachment to server external SCSI port

Software

Operating System	Solaris 9 (hardware release 04/03 or later); Solaris 8 (hardware release 12/02 or later) supported
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, SunVTS™, SRS Ready, SRM, ALOM
Sun Java Enterprise System Software, Release 1 2003	Included with the Sun Fire V210 server is a 90-day evaluation license for: Sun Java™ System Directory Server 5.2; Sun Java™ System 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 1, Standard Edition; Sun Java™ Message Queue 3.0.1 Service Pack 2, Platform Edition; Sun Java™ Message Queue 3.0.1 Service Pack 2, Enterprise Edition; Sun Java™ System Web Server 6.1; Sun Java™ System Portal Server 6.2; Sun Java™ System 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™ Cluster 3.1; Sun Java System Cluster Agents for Sun™ ONE Services

Power Supplies

	One
Maximum DC output	320 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 6.6B sound power in ambient temperature of up to 27° C

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
Safety Certifications	cULus Mark, TUV GS Mark, CE Mark
EMC	CE Mark (93/68/EEC), FCC-authorized Class A, VCCI, BSMI, CTICK

Dimensions and Weight

Chassis	43.2mm (1.7 in.) H x 425mm (16.73 in.) W x 635mm (25 in.) D
Weight	12 kg (26.4 lb.) fully configured; 15.6 kg (34.31 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

Web Server
Security
Application Development
Compute Farm
Portal Server

Get the details.

Learn more about the Sun Fire V210 — a feature-rich, ready-to-deploy, 1U server for Web serving, security applications, compute farms, and other network services — by visiting sun.com/v210.