Key Feature Highlights

- Rack-optimized, 2RU/25-in.-depth design
- Up to 1 x 1.34 or 2 x 1.5 GHz processors
- Up to 16 GB memory
- Up to 4 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 either 1 x 1.34 GHz or 2 x 1.5 GHz UltraSPARC® IIIi 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 16 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

<table>
<thead>
<tr>
<th>Processor Options</th>
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<tbody>
<tr>
<td>Processor</td>
<td>1 X 1.34 GHz or 2 X 1.5 GHz UltraSPARC IIIi</td>
</tr>
<tr>
<td>Architecture</td>
<td>64-bit, 4-way superscalar SPARC® V9</td>
</tr>
<tr>
<td>Cache</td>
<td>64 KB data, 32 KB instruction and 1-MB integrated L2</td>
</tr>
<tr>
<td>Main Memory</td>
<td>4 DIMM slots per processor, registered DDR-1 SDRAM (PC2100) 128 bit + ECC databus system configurations from 512 MB to 16 GB</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Standard/Integrated Interfaces</th>
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<tbody>
<tr>
<td>Network</td>
<td>Four 10/100/1000Base-T Ethernet</td>
</tr>
<tr>
<td>Network Management</td>
<td>One 10Base-T Ethernet</td>
</tr>
</tbody>
</table>

| 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 daughter card

Mass Storage and Media

Internal Disk
Internal Disk Up to two hot-swap, Ultra160 SCSI 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 3110 SCSI array™
Sun StorEdge 3120 SCSI array™
Sun StorEdge 3510 FCAL array
Sun StorEdge 3511 FCAL array
Sun StorEdge 3520 FCAL array
Sun StorEdge 5310 FCAL array
Sun StorEdge 9970, 9985, 9980, 9970, 9960, 9910 series
Sun Storage D240 media tray™

* Indicates support for direct attachment
** Indicates support for direct attachment to server external SCSI port

External Tape
Sun StorEdge DAT 72 Tape
Sun StorEdge L8 Tape Autoloader (Solaris 8 & 9, LT02 & SDLT320)
Sun StorEdge L25 (Solaris 9 only, LT02)
Sun StorEdge L100 (Solaris 9 only, LT02)
Sun StorEdge L500

Software

Operating System
Solaris 10 beginning with release 03/05; Solaris 9 beginning with release 12/03; Solaris 8 beginning with release HW 07/03. Requires mandatory patch 109185-15

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 Agent
Sun N1 System Manager
Advanced Lights Out Management (ALOM)
Sun Net Connect
Sun Update Connection

Sun Java™ Enterprise System
Included with the Sun Fire V240 server is a 90-day evaluation license for:

Network Identity Services
• Sun Java™ System Directory Server 5.2 2005Q1
• Sun Java™ System Access manager 6 2005Q1
• Sun Java™ System Directory Proxy Server 5 2005Q1

Web and Application Services
• Sun Java™ System Application Server Enterprise Edition 8.1 2005Q1
• Sun Java™ System Message Queue 3 2005Q1 Enterprise Edition
• Sun Java™ System Web Server 6.1 Service Pack 4 2005Q1

Portal Services
• Sun Java™ System Portal Server 6 2005Q1
• Sun Java™ System Portal Server Mobile Access 6 2005Q1
• Sun Java™ System Portal Server Secure Remote Access 6 2005Q1

Availability Services
• Sun™ Cluster 3.1 9/04
• Sun Cluster Agents for Sun™ ONE Services (Web, App, Directory, Messaging and Calendar Servers and Message Queue)

* Sun Cluster is not currently supported on Solaris 8, but has been loaded for evaluation on other instances of Solaris Operating Environment versions 8 and 9

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 7.18 sound power in ambient temperature of up to 26˚ C

Regulation (meets or exceeds the following requirements)

Safety
IEC60950, UL/CSA60950, EN60950

RFI/EMI
FCC Class A, Part 15 47 CFR, EN55022

Immunity
EN55024

Certifications
Safety
cULus Mark, TUV G 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
Restriction of Hazardous Substances – RoHS compliant configurations available

Dimensions and Weight

Chassis
87.66mm (3.4 in.) H x 425mm (16.73 in.) W x 635mm (25 in.) D

Weight
19 kg (41.18 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