THE AFFORDABLE, RACK-OPTIMIZED SERVER THAT OFFERS EXCEPTIONAL PROCESSING POWER IN A COMPACT FOOTPRINT.

Sun Fire™ V480 Server

ultimate net worker

Sun Fire™ V480 Server

THE AFFORDABLE, RACK-OPTIMIZED SERVER THAT OFFERS EXCEPTIONAL PROCESSING POWER IN A COMPACT FOOTPRINT.
The Sun Fire V480 server is designed to deliver compute density and enterprise-class RAS features at an affordable price. Its space-efficient, rack-optimized 5RU, 24-inch-depth enclosure provides excellent value per rack unit and contains up to four 1.05/1.2-GHz UltraSPARC® III Cu processors, each with 8 MB e-cache (L2), up to 32 GB of memory, integrated dual 10/100/1000-Mb/sec, Ethernet, and the Sun Fireplane interconnect operating at 9.6 Gb/sec. The Sun Fire V480 server features Sun+1 power supplies with separate power cords, so a fully configured system can run on one power supply; the second power supply is secondarily redundant in addition. Hot-plug disks and hot-swap power supplies enable online maintenance and repair to further enhance system availability. Outstanding scalability, performance, and enterprise class RAS features make the Sun Fire V480 server an excellent Web, e-commerce, or EDA server. Remote System Control (RSC) reduces overall system management costs by providing monitoring and control from remote locations via Ethernet, serial, and modem connections.

**Specifications**

**Processor Options**
- Processor: 1.05/1.2-GHz UltraSPARC® III Cu
- Architecture: Superscalar SPARC 9
- Processor modules: One or two dual-processor/memory modules
- Cache (on chip): 64 KB data and 32 KB instruction
- Secondary (L2): 8 MB external

**Main Memory**
A system maximum of 32 GB when configured with four processors

**Standard/Integrated Interfaces**
- Network: Two 10/100/1000 Mb/sec. Ethernet
- I/O: FCAL disk controller, two USB ports
- Serial: RS485 serial port
- Expansion capability: Six PCI slots compliant with PCI specification Revision 2.1: two at 66 MHz, 64 bits wide, 3.3 volts; four at 33 MHz, 64 bits wide, 5 volts

**Mass Storage and Media**
- Host adapters: User to support the internal DVD
- Internal disk: Two 3.5-in. X 1.0-in. 10,000 RPM FC-AL disks, 73-GB
- External disk: Sun StorEdge MultiPack systems

**Software**
- Operating system: Solaris® 8 or 9
- Languages: C, C++, FORTRAN, Java
- Networking: ONC, NFS, TCP/IP, Sunlink, DSL, MHS, IPK/SPX

**System and Network Management**
- Sun™ Management Center, Sun Remote System Management
- Sun Cluster, Solaris PC Netlink, Solaris Management Console, Solstice Jumpstart
- Solstice Web Start Wizards, Solstice AdminSuite, Solstice DiskSuite, Solstice Backup, and other Solstice® products

**Console Options**
- Monitor: Optional, Sun monitors from 1995 onward (17”, FP18, 19”, 20-21, and 24-inch)
- Frame buffer: Sun PC/SGI R12k bit
- Keyboard and mouse: USB keyboard and mouse
- PCI I/O options: Gigabit Ethernet, 10/100-Mb/sec. Ethernet, FCAL, Quad FastEthernet, token ring, FDDI, ATM-155, high-speed serial. Ultra SCSI with 10/100-Mb/sec. Ethernet, dual-channel single-ended Ultra SCSI, dual-channel differential Ultra SCSI

**Power Supplies**
- One required, two for redundancy, each with independent power cord
- Maximum AC input: 1440 W per power supply
- Maximum DC output: 1184 W per power supply

**Environment**
- AC power: 100-240 Vac, 47-63 Hz, 0.895 KVA
- Operating: 5°C to 35°C (41°F to 95°F), 20% to 80% relative temperature, humidity, noncondensing, 27°C maximum wet bulb
- Nonoperating: 20°C to 60°C (7°F to 140°F), 3% to 95% relative temperature, humidity, noncondensing

**Regulations**
Meets or exceeds the following requirements:
- Safety: UL 1950, CB Scheme IEC 950 (CE mark), CSA C22.2, EN55024, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5
- Immunity: EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, IEC 61000-3-2, and IEC 61000-3-3
- Xray: U.S. DHHS 21CFR Subchapter J, PTB German X-ray Decree

**Dimensions and Weight**
- Height: 6U, 222 mm (8.75 in.)
- Width: 446 mm (17.5 in.)
- Depth: 610 mm (24.0 in.)
- Weight: 35.8 kg (79 lb.) (minimum)
- Rack: Fits into a standard 19-inch-wide rack mount kit that complies with EIA-310-D-1992 standard, or a 72-inch height Sun StorEdge rack, which will support seven Sun Fire V480 servers.

**Upgrades**
Upgrades are available for SPARC® server and Sun Enterprise® systems. Contact your local Sun sales representative for details.

**Warranty**
- Hardware support: 3 years
- Software install: 90 days
- Call response: 8 hours
- Delivery: Second business day, on-site

**Specifications**
Specifications are subject to change without notice. © 2003 Sun Microsystems, Inc. All rights reserved. Sun, Sun Microsystems, the Sun logo, Sun Fire, Solaris, Sun StorEdge, SunDisk, Sun Enterprise, ONC, IPX, Solstice Jumpstart, Solstice AdminSuite, Solstice DiskSuite, Solstice Backup, Solstice, and Ultra are trademarks or registered trademarks of Sun Microsystems, Inc., in the United States and other countries. All SPARC trademarks are used based upon an architecture developed by Sun Microsystems, Inc.