

SUN SPARC ENTERPRISE M3000 SERVER

EXTREME PERFORMANCE AND
MISSION-CRITICAL RAS AT AN
ENTRY-LEVEL PRICE

KEY FEATURES

- Reduce power consumption, cooling, and floor space by up to 75% over legacy UltraSPARCIII servers
- Mainframe-class reliability in a single-CPU, 2RU form factor at an entry-level price
- Seamless scalability from one CPU up to 64 CPUs within the same M-Series family
- Mission-critical RAS capabilities
- Industry leading Oracle Solaris enables you to run older Oracle Solaris 8 and 9 apps without modification on Oracle Solaris 10 with containers
- Integrated, flexible, no-cost virtualization technology
- Reduce your IT cost by up to \$92,000 when you consolidate two Sun Fire V445 servers onto one M3000
- Services expertise available to install, support and optimize your server implementation

Oracle's Sun SPARC Enterprise M3000 server running the industry-leading Oracle Solaris operating system is an affordable, single-processor server that inherits the mission-critical features of the M-Series Enterprise family-- delivering extreme RAS and performance in a 2RU footprint. With the ability to scale from one to 64 processors within the same family, you can start small and grow big!



The compact and flexible Sun SPARC Enterprise M3000 server provides extreme performance and mission-critical RAS at an entry-level price.

Keep Pace with Expanding Needs

The Sun SPARC Enterprise M3000 server running the industry-leading Oracle Solaris was architected to help our customers contain existing application fees, deploy new business services and consolidate existing distributed systems more cost effectively and reliably than ever before.

Because it is part of the Sun SPARC Enterprise M-Series family, the Sun SPARC Enterprise M3000 server allows our customers to scale from one CPU to 64 CPUs all within the same family and without having to learn a new management system. That means our customers can take advantage of enterprise-class RAS features in a two RU box and can incrementally grow and configure their business processes exactly as they need them. No wasted resources, just improved utilization that will meet their IT needs well into the future. This system allows our users to start small and grow big.

Consolidate and Lower IT Costs

The compact and flexible Sun SPARC Enterprise M3000 server delivers greatly improved business efficiency. Customers can maintain the current performance levels of two Sun Fire

V445 servers by consolidating onto one Sun SPARC Enterprise M3000 server and reduce space and power consumption by 75 percent. In addition to its eco-efficiencies and mainframe-class reliability features, the Sun SPARC Enterprise M3000 server is an easy-to-manage consolidation/virtualization platform. When combined with Oracle and partner service offerings, customers can accelerate their time to market, and capture new revenue streams while dramatically improving throughput, energy efficiency and service level predictability, at reduced costs.

Sun SPARC Enterprise M3000 Server Specifications

Processor
<ul style="list-style-type: none"> • One SPARC64 VII dual-core or quad-core SPARC V9 Architecture, ECC protected • Cache Level 1: 64 KB D-cache and 64 KB I-Cache • Cache Level 2: 5 MB on-chip • Clock speed: SPARC64 VII: 2.75 GHz
System
<ul style="list-style-type: none"> • CPU: One CPU board (CMU), one CPU per board • Main memory: Up to 64 GB per domain/system, with 8 GB DIMM • I/O: Four PCIe short low-profile slots (x8 lane) • Jupiter Bus: High-speed, low-latency interconnect system bus with redundant data, address, and response crossbar interconnect • System bus bandwidth: 20 GB/sec peak, 6.4 GB/sec stream (memory) (copy) • System bus bandwidth (I/O): 4 GB/sec peak • Optical drive: One internal DVD drive • Service processor for one Dynamic Domain system management
Storage
<ul style="list-style-type: none"> • Boot device: Up to four 300 GB internal, 2.5 in. SAS HDDs • External: Direct, SAS attached to Sun StorageTek disk arrays using the built-in external SAS port (2 lane) • Resource management: Native Browser interface for complete platform management; Native Sun Management Center 4.0; Oracle Solaris 10 Resource Manager including Oracle Solaris Containers
Software
Operating System
<ul style="list-style-type: none"> • Minimum OS support: Oracle Solaris 10 10/08 (Update 6 or higher) • Note: Oracle Solaris 10 (Updates 6 & 7) require install of S10U8 Patch Bundle (MU8) and XCP 1091 (minimum) for the 2.75GHz processor
Languages
<ul style="list-style-type: none"> • C • C++ • Pascal • FORTRAN • Java • Perl • Python
Networking
<ul style="list-style-type: none"> • ONC/NFS, TCP/IP, SunLink, Netware

System Monitoring
<ul style="list-style-type: none"> • Sun Management Center • Oracle Solaris Web Start • Solstice Domain Manager • Solstice Enterprise Manager • Solstice Backup • xVM Ops Center
Value Added Software
<ul style="list-style-type: none"> • VERITAS File System • VERITAS Volume Manager • Oracle Solaris Cluster • Sun HPC ClusterTools • Sun Java Enterprise System
Environmental
AC Power
<ul style="list-style-type: none"> • 100–240 V AC 1-phase (50/60 Hz), 12 A per power cord, two power cords
Plug
<ul style="list-style-type: none"> • NEMA-L6-20P (U.S.) or IEC 309-IP44 (INTL) IEC 60320 C19 connector
Receptacle Type
<ul style="list-style-type: none"> • IEC 60320 C20
Operating Temperature
<ul style="list-style-type: none"> • 5°C to 35°C (41°F to 95°F): 0 to 500 m • 5°C to 33°C (41°F to 91.4°F): 501 to 1,000 m • 5°C to 31°C (41°F to 87.8°F): 1,001 to 1,500 m • 5°C to 29°C (41°F to 84.2°F): 1,501 to 3,000 m
Nonoperating Temperature
<ul style="list-style-type: none"> • -20°C to 60°C (-4°F to 140°F) 93% relative humidity, noncondensing
Altitude
<ul style="list-style-type: none"> • Up to 3,000 m (9,842 ft.)
Regulations
Safety
<ul style="list-style-type: none"> • CSA60950-1-03, UL60950-1, IEC60950-1, 1(2001), GB4943-2001 Scheme with all national deviations

RFI/EMC
<ul style="list-style-type: none"> • FCC Part 15, EN55022/CISPR22 • VCCI • AS/NZS CISPR 22 • EN 300 386 • EN61000-3-2 • EN61000-3-3 • JISC61000-3-2 • KN22 • GB9254 • GB17625

Immunity
<ul style="list-style-type: none"> • EN55024 • EN 300 386 • KN24
Regulatory Markings
<ul style="list-style-type: none"> • CE, FCC, VCCI, CSA/UL
Other Marks
<ul style="list-style-type: none"> • WEEE and Chinese RoHS
Key RAS Features
<ul style="list-style-type: none"> • First Fault Isolation • Nondeferred error logging • Predictive failure analysis • Directive Maintenance • Concurrent maintenance (partial) • Environmental monitoring • Dynamic CPU resource deallocation (fault detection, isolation, and recovery) • Machine readable FRU-ID • Rich check/recovery mechanism in processor • ECC on address and data path • Dual power feed • Extended-ECC memory, L1 and L2 cache line degradation
Dimensions and Weight
<ul style="list-style-type: none"> • Height: 8.7 cm (3.43 in.) • Width: 44 cm (17.33 in.) • Depth: 65.7 cm (25.87 in.) • Weight: 22 kg (48.50 lb.)

Warranty

Visit oracle.com/sun/warranty for Oracle's global warranty support information on Sun products.

Services

Complete Portfolio of Services from Installation to Operations Management

Oracle Advanced Customer Services offers complete lifecycle management from installation, configuration, management and support for your Sun SPARC Enterprise M5000 servers. Oracle product experts configure, integrate and test your new server technology using Oracle's implementation best practices. To increase the efficiency of your IT team, Oracle services experts offer Oracle Operations Management that provides 24x7 monitoring and management services across the entire IT infrastructure. And, Oracle Premier Support provides the award-winning support you need to maximize the return on your Sun SPARC Enterprise M5000 server investment. From unlimited 24/7 access to Sun system specialists, to critical patches, essential product updates, and exclusive online resources — only Oracle provides integrated support for your entire stack, applications to disk.

Visit oracle.com/acs for information on Oracle Advanced Customer Services offerings for Oracle server products.

Contact Us

For more information about Oracle's Sun SPARC Enterprise M3000 server, please visit oracle.com/sun or call +1.800.786.0404 to speak to an Oracle representative.



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Hardware and Software, Engineered to Work Together