

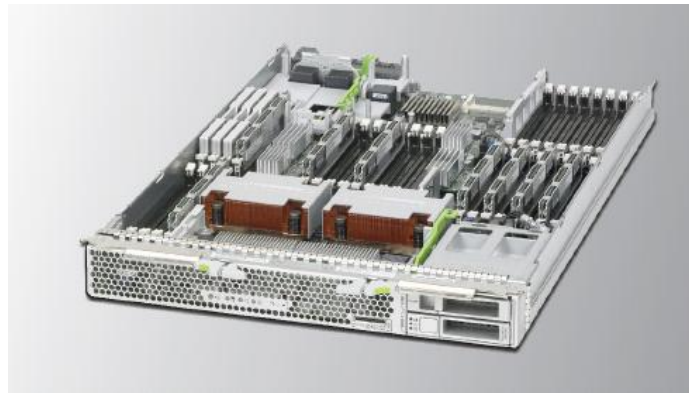
SUN BLADE T6340 SERVER MODULE

KEY FEATURES

DATA CENTER SPRAWL JUST MET ITS MATCH

- World's first dual-socket, general purpose server powered by the third-generation UltraSPARC T2 Plus "System on a Chip" processor
- Supports up to 128 simultaneous execution threads per blade
- Highest memory capacity in the industry for blade servers—up to 256 GB max.
- Extreme density with Sun Blade 6048 and Sun Blade 6000 Chassis; up to 768 cores and 6,144 threads
- Drive up utilization, drive down costs, and massively consolidate workloads with built-in, no-cost virtualization technology with Oracle VM Server for SPARC and Solaris Containers
- Accelerate application response times and slash energy consumption with Flash SSDs

Ready to take on the most demanding workloads, including back-office applications and databases, Oracle's Sun Blade T6340 server module is the right choice for maximum consolidation of a data center splitting at the seams. As the highest-density chip multithreading (CMT) server available in a blade form factor, the Sun Blade T6340 system delivers massive throughput and built-in, no-cost virtualization.



The Sun Blade T6340 server module offers six or eight core UltraSPARC T2+ processors.

Sun Blade T6340 Server Module Overview

The two-socket Sun Blade T6340 server module delivers compute power previously available only from midrange enterprise SMP servers, with up to 16 cores and 128 threads of Chip Multithreading (CMT) technology processing performance. It also offers the industry's best memory capacity for blade servers, with 32 DIMM slots and a maximum capacity of 256 GB, as well as two drive slots for hot-pluggable 2.5 inch SAS and SATA drives. The server module can hit the ground running quickly with an optional CompactFlash card for a fast boot. You can depend on the most advanced OS in the world, Oracle's Solaris 10 Operating System, which is preinstalled on all Sun Blade T6340 server modules. Its shared I/O is blazing fast, with up to 144 Gb/sec to prevent bottlenecks, and it provides built-in encryption at wire speed without performance degradation. All of these benefits are packed into a blade form factor, for maximum compute density.

The system brings superior energy and cost efficiency to your data center with fast deployment. Remote and centralized management is made possible and easy with ILOM and remote KVMS. In addition, they make the Sun Blade T6340 server module extremely scalable and easy to integrate, because the system is designed to

coexist with Sun x64 and other CMT-based server modules in the same chassis. The server comes ready with Solaris Containers and Oracle VM Server for SPARC (previously known as LDom) technology, for faster and more-reliable consolidation and virtualization in your IT infrastructure at no extra cost.

Sun Blade T6340 Server Module Specifications

Virtualization services are available to optimize Sun Blade T6340 server module capabilities by helping you reduce costs, conserve data center space, improve service levels, and increase server utilization.

Architecture	
Processor	<ul style="list-style-type: none"> Two six- or eight-core 1.2 GHz, or eight-core 1.4 GHz UltraSPARC T2 Plus processor from Oracle Up to 128 simultaneous execution threads One floating processor per core, up to eight per processor Onboard cryptography supporting 10 embedded security industry standard ciphers: DES, 2DES, AES, RC4, SHA1, SHA256, RSA to 2048 key, ECC, and CRC32 Oracle's SPARC V9 architecture, ECC protected
Cache	<ul style="list-style-type: none"> 16 KB instruction 8 KB primary data cache 4 MB integrated L2
Main Memory	<ul style="list-style-type: none"> Supports 2 GB, 4 GB, and 8 GB 1.5 V fully buffered ECC Registered DIMMs 32 DIMM slots, supporting a maximum of 256 GB
Interfaces	
Network	<ul style="list-style-type: none"> Two 10/100/1000 Base-T Ethernet ports using the Intel 82571EB GbE transceiver One dedicated 10/100 Base-T Ethernet port for the management network Two optional 10 GB XAUI Ethernet ports through the addition of a dual channel 10 GbE fabric expansion modules
Storage	<p>Six 3.0 Gb/sec SAS/SATA interfaces using the LSI SAS1068E Controller:</p> <ul style="list-style-type: none"> One SAS interface to each of the small form factor (SFF) SAS/SATA drive bays with RAID 0, 1 support Four SAS interfaces to the midplane Support drive with 32 GB SSD, 500GB 7,200rpm SATA, 146 GB 10,000 rpm SAS, 300 GB 10,000 rpm SAS
Midplane I/O	<ul style="list-style-type: none"> Four x8 PCIe busses: Two dedicated to NEMs, two dedicated to EMs Four 3.0 Gb/sec SAS interfaces, two per NEM Two 10/100/1000 GbE interfaces, one per NEM 10/100 Ethernet management port to Chassis Monitoring Module (CMM)

Front Panel I/O
Exposed via dongle cable: <ul style="list-style-type: none"> • One RJ-45 serial console to server module ILOM • Two USB ports for keyboard, mouse, or storage • One HD-15 video out • Supporting SAS/SATA SFF disks and solid- state drives (SSD)
Software
Operating System
Solaris 10
Networking
ONC, ONC+, NFS, WebNFS, TCP/IP, SunLink, OSI, MHS, IPX/SPX, SMB technologies, and XML
Management
Built-in Integrated Lights Out Manager (LOM) service processor delivers <ul style="list-style-type: none"> • Direct manageability—same as Oracle rack-mounted servers • Full monitoring of blade by SNMP • Graphical user interface (GUI) and comprehensive command-line interface (CLI) emulating Advanced Lights Out Manager (ALOM) • Secure access and control • Full-featured virtual console through remote KVM feature (Optional Oracle Enterprise Manager, an advanced hardware management enabling discovery, grouping, bare metal provisioning, hardware and OS monitoring, and integrated LDOMs management)
Dimensions and Weight
Height: 44.45 mm (1.75 in.)
Width: 327.15 mm (12.88 in.)
Depth: 496.82 mm (19.56 in.)
Weight: 9.1 kg (20 lb.) fully configured

Warranty

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

Services

Visit oracle.com/sun/services for information on Oracle's service program offerings for Sun products.

Contact Us

For more information about Oracle's Sun Blade Server T6340 server module, please visit oracle.com/sun or call +1.800.786.0404 to speak to an Oracle representative.



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