Sun Fire™ V100 Server
Just the Facts

[(SunWIN token# 329871)](#)

Last Updated: January 4th, 2006

Copyrights

Table of Contents

Sun Fire™ V100 Server Positioning

Introduction

The Sun Fire™ V100 server continues to be Sun's proven entry into the low-end server marketplace. The Sun Fire V100 server is a low cost, rack-optimized, single processor server targeted at a broad market which includes service providers, enterprises, OEMs, resellers, systems integrators, and small- to medium-sized businesses. With a 1U form factor and the same low, entry-level list price, the Sun Fire V100 server is a general-purpose platform with features that include lights-out management, automatic server restart, a removable system configuration card, and visual power, fault, and link status indicators. The Sun Fire V100 server is an alternative to Intel-based solutions and can be used for low-end and utility functions.

Product Family Placement

The Sun Fire V100 server is the entry point into the Sun server family for rack environments where space is often limited and price is a major concern. The Sun Fire V100 is designed to provide quality, performance, and reliability in a small and rugged package. It is a low cost, secure, reliable SPARC / Solaris alternative for customers who have traditionally only considered Wintel or Lintel solutions. The Sun Fire V100, or the more expandable Sun Fire V120, are ideal front-ends to Sun's larger data center class servers. Both are suitable for the cost-conscious consumer who values a reliable platform designed for long-term growth.

Sun Fire V100 Server and Sun Fire V120 Server Feature Comparison

The following table compares the features of the Sun Fire V100 server to those of the Sun Fire V120 server.

Table 1. Feature Comparison: Sun Fire V100 servers and Sun Fire V120 servers

Feature	Sun Fire V100 Server	Sun Fire V120 Server
Packaging		
− Rackmounted	Yes	Yes
− Density/rack (72" rack)	32	32
Disk		
− Subsystem	IDE	SCSI
− Capacity	2 x 80-GB (160-GB max)	2 x 73-GB (146-GB max)
− Accessibility	No	Front
− Hot-pluggable	No	Yes
− Number	2	2
Maximum memory	2-GB	4-GB
Base network connectivity	2 Ethernet 10/100BASE-T ports	2 Ethernet 10/100BASE-T ports
Lights-out management (LOM)	LOMLite2	LOMLite2
Expandability	No	1 PCI slot, full length
Frame-buffer	No	No
Ports		
− Keyboard	No	No
− Mouse	No	No

Feature	Sun Fire V100 Server	Sun Fire V120 Server
– Parallel	No	No
– USB	2	2

Key Messages

The Sun Fire V100 server is ideal for running cost sensitive utility functions, which allow customers to extend the SPARC™/Solaris™ platform to the low end of their network. Sun Fire V100 servers are general purpose servers, which means customers can create their own solutions with off-the-shelf software while leveraging all the advantages Sun and Sun products have to offer.

In addition to the service provider market, the Sun Fire V100 server provides opportunities to sell into the Intel-based (Windows NT and Linux) marketplace. This includes industries such as education, government, financials, telecommunications, and enterprise Internet services. Key messages for the Sun Fire V100 server include:

- Lowest priced SPARC/Solaris server ever:
  - Fully functional, sub-$1000 Solaris server
  - Complete with drives, memory, processor, operating environment and LOM preinstalled
  - SPARC/Solaris server at PC prices
- Remarkable manageability and serviceability
  - Front and rear indicator LEDs for power, fault, and network link status
  - Single system FRU for easy serviceability and replacement of units
  - Lights-out management for comprehensive remote management
- Provides excellent reliability and availability
  - Comes with Solaris 8 Operating Environment preinstalled
  - Low price and small footprint enables redundant deployment
  - System configuration card (SCC) reduces downtime by enabling replacement units to be brought online quickly
- Business Ready Software: Sun Java System Web Server, Apache HTTP Server and Sun Java System Active Server Pages packaged with the system at no charge provide a highly reliable web server solution.

Availability

Launch and general availability was August 20, 2002.

Target Users

The Sun Fire V100 server is a general-purpose server suitable for many types of applications and users including:

- Service Providers seeking rugged systems in a small footprint.
- ISVs, system integrators, OEMs, and resellers who require a secure, reliable deployment server

- Enterprises, medium- and small-sized businesses looking for a quality, scalable, cost effective alternative to Lintel or Wintel systems.

Target Markets

The Sun Fire V100 is the ideal product for carrying the SPARC/Solaris platform further forward in a customer's architecture as well as an ideal vehicle for introducing non-Sun customers to the benefits of SPARC/Solaris. The Sun Fire V100 allows Sun to provide customers with a cohesive end-to-end solution covering Database servers, Application servers and Web servers. The result is less complexity, less overhead and a reduced IT budget.

Ideal Sun Fire V100 customers place a high value on the following:

- low acquisition cost over high MHz

- uptime, mission critical performance, RAS

- security

- low total cost of ownership, binary compatibility, Solaris benefits

The table below identifies some of the target industries and customers and the corresponding key features to highlight for the Sun Fire V100 server.

Industry/Customer	Key Features to Highlight
Service providers	• High system count per rack • True server functionality at a competitive price • Dependable Sun hardware
Enterprises Small- and medium-sized businesses	• True server functionality at a competitive price • Alternative to Intel-based solutions • Single-system FRU for easy maintenance
ISVs/System Integrators OEMs Resellers	• Inexpensive platform for designing new services and products • Solaris Operating Environment reliability • Reduce time-to-market to gain competitive advantages
Customers currently using or considering using Linux, Windows NT, or UNIX® platforms other than Sun's	• General-purpose, SPARC/Solaris servers at PC prices • Reliability, availability, and serviceability benefits connected with Sun products
Customers with rackmount computer equipment environments	• Fits into rackmount environments (1 U height) • Flexible mounting options help ensure that Sun Fire V100 servers will install in their racks
Sites where real estate generates income and/or space is at a premium	• Compact footprint means that many servers can fit into a small space
Customers with remote installations	• Lights out management capabilities are preinstalled as part of the operating environment • Remote management of the Sun Fire V100 server

Selling Highlights

Market Value Proposition

The Sun Fire V100 server simplifies deployment and maintenance, reduces network complexity while enhancing network security and lowers total cost of ownership.

The system comes standard with everything the customer needs for one low price; Sun Java System software, remote management software (LOM), Solaris Operating Environment, System Configuration Card, rack kit, etc. and with Sun's CRS (Customer Ready Systems) program, the Sun Fire V100 can be integrated with custom options - like complementary third-party hardware, software and services - factory racked & cabled and delivered right to the customer's door.

Because the V100 comes with everything included, the unit can easily be unboxed, racked and ready to use in less than 20 minutes. LOM, allows customers to remotely boot, reboot, monitor and troubleshoot multiple servers from a single console. The System Config Card, reduces downtime by enabling customers to quickly and easily transfer key information to a standby server should the original server ever need to go down for maintenance or a parts upgrade. In addition to Solaris 8, the Sun Fire V100 also comes with Sun Java System Web Server 6.1, Sun Java System ASP software and Apache HTTP Server - all for no extra cost. The combination makes for a highly reliable & secure Web server solution at PC prices.

Sun Java System WebServer 6.1, provides the reliability, performance and security developers need to build Web applications for large-scale mission critical e-commerce sites. Sun Java System Active Server Pages, helps developers and organizations deploy dynamic Web sites and applications based on Microsoft Active Server Pages (ASP) used by Microsoft IIS web server. This is important because it means that current Microsoft IIS users can migrate their web applications to the V100 with Sun Java System Web server and Sun Java system ASP software without having to recode their web pages or change development tools, like Microsoft Front Page. The benefit is that customers get a more stable and secure web server, not subject to the same viruses and worms which have caused havoc on Microsoft IIS web servers.

And finally, the V100's single system FRU and Return-to-Depot warranty makes service a breeze.

Applications

The Sun Fire V100 server is a general-purpose server suitable for the following applications:

- File, Print, Web, E-Commerce, or Proxy cache server
- Firewall
- Technical computer farm

Applications developed to operate on the Sun Fire V100 server will also run on systems based on the Solaris/SPARC architecture, including other Netra-branded servers.

Compatibility

Sun Fire V100 servers are the low cost entry point in the family of binary compatible Sun servers. To make the systems more attractive to companies currently purchasing Wintel / Lintel systems the Sun Fire V100 has been qualified to be compatible with Zip drives.

Technology Overview

Part of the design rationale of the Sun Fire V100 servers was to improve price / performance and a more robust base configuration. Wherever possible, the systems leverage PC components. Sun Fire V100 servers have the following architectural features:

- 550 or 650-MHz processor with integrated cache

- Industry standard DRAM DIMMs

- Component reduction and single PCB design

- IDE hard disk drives

- Commercial-grade chassis and power supply

System Configuration Card and Reader

A System Config Card (SCC), a small card containing the system's identity; Host ID, MAC and NVRAM settings comes standard on Sun fire V100 servers. During initialization the network information on the card is copied onto the motherboard and the system is configured accordingly. The system does not boot for security reasons without the card installed. It enhances serviceability and availability by enabling new/replacement servers to be brought on-line in minutes. Upgrade time is reduced and licensed software locked to a system's serial number (Host ID bound), can be transferred w/o having to upgrade the software license.

USB Ports

The Sun Fire V100 server USB ports, used to connect printers and scanners, are located at the rear of the system. Also in the rear is the Serial A (LOM) used to connect to a hand-held configuration management device.

DIMMs

The Sun Fire V100 server has four sockets that accept industry-standard PC133 ECC-buffered DIMMs.

Lights-out Management

Lights-out management is provided by LOMlite2 software, which comes as a standard, pre-installed with the operating environment. It enables hundreds of systems to be remotely managed & monitored from a single location, simplifying service and reducing the need for on-site staff.

System Architecture

Overview

The Sun Fire V100 servers can be mounted in industry standard 19" racks and come with fixed mount rails. The system is 19" deep from the rear face of the mounting flanges to the rear of the system. The air flow direction is from front to back and internal fans are included. Access to the system configuration card and I/O and power connections are at the rear of the chassis.

Figure 1. The Sun Fire V100 Server

Features, functions, and benefits of the Sun Fire V100 server include:

Feature	Function	Benefit
• General-purpose server	• Allows for custom-built and off-the-shelf solutions	• Increases investment protection and lowers total cost of ownership
• Low cost	• Helps enable Sun Fire V100 servers to be used as the basis for redundantly deploying services for higher availability	• Lowers total cost of ownership and increases return on investment
• System is a field replaceable unit	• Minimizes downtime because the server can be replaced instead of repaired, which can be time consuming	• Increases customer satisfaction and business productivity
• 1 U form factor, 19" rackmountable	• Reduces operating costs because the small form factor helps enable	• Lowers total cost of ownership

Feature	Function	Benefit
	multiple systems to be densely packed into existing racks	
• 19" rackmounting flanges fitted as a standard	• Helps enable the Sun Fire V100 server to be installed quickly and easily	• Increases business productivity
• Single processor UltraSPARC-IIi, 550- or 650-MHz with integrated cache	• Provides performance and reliability at a low cost	• Lowers total cost of ownership
• Binary compatible with all SPARC applications	• Helps enable faster time to market and high ROI	• Increases customer satisfaction and return on investment
• RAM expandable to 2 GB	• Increase application performance	• Increases customer satisfaction and business productivity
• Use of standard memory	• Enables easy expandability	• Lowers total cost of ownership
• Dual 10/100BASE-T Ethernet	• Allows one Ethernet port to be used for network traffic and the other to be used for network backup • Deploys immediately in service provider environments	• Increases business productivity
• Front and rear visual indicators for power, and fault; rear indicator for network link status	• Helps minimize downtime because problems can be identified and resolved quickly	• Increases customer satisfaction and business productivity
• Lights-out management	• Allows system administrators to locate and resolve problems quickly, either onsite or remotely	• Increases business productivity
• Removable system configuration card	• Aids in swapping out a faulty server with a replacement without reconfiguration and with minimal downtime	• Increases customer satisfaction and business productivity
• USB ports	• Helps enable the Sun Fire V100 server top be connected to peripheral devices.	• Increases business productivity and lowers total cost of ownership
• Serial A (LOM)	• Helps enable the Sun Fire V100 server to be easily connected to a hand-held devices for configuration management	• Increases business productivity and facilitiates system management
• Rear serial number	• Maximizes uptime because servers can be easily identified while still in the rack	• Increases customer satisfaction and business productivity

Reliability, Availability, and Serviceability (RAS)

Reliability

- The Sun Fire V100 server is based on Sun's SPARC/Solaris platform with its characteristic reliability that is industry established.

Availability

- The Sun Fire V100 server's low cost and small form factor allow redundant deployment in a compact space to increase overall service availability.
- Maximum availability is provided with features such as lights out management (LOM) and automatic server restart (ASR).
- The Sun Fire V100 server can be deployed in 20 minutes.

Serviceability

- Front and rear indicators for power and fault.
- Host identity information is located on a removable, rear-accessible, system configuration card.
- Front identification labeling area.
- The entire system is a field replaceable unit.
- Serial number is readable from the rear of the server.
- Rear power switch provides easy access.
- Rackmount kit is included for easy installation and removal of a unit.

Installation Data

Hardware Dimensions

	Imperial	Metric
Height	1.72 inches	43.6 mm
Width	17.55 inches	445 mm
Depth (includes bezel and rear cover)	19 inches	482.6 mm
Weight (fully configured system)	13.2 lb	6 kg
Shipping Weight (includes carton and documentation)	22 lb	10 kg

Environment

Power Requirements

	U.S.	International
Maximum Operating current	3 A at 115 V AC	3 A at 115 V AC
Maximum in-rush current (cold start)	40 A peak at 100 V, 77ºF (25ºC)	40 A peak at 100 V, 77ºF (25ºC)
Maximum in-rush current (warm start or restart 20–200 msecs after power has been removed)	40 A peak at 100 V, 77ºF (25ºC)	40 A peak at 100 V, 77ºF (25ºC)
Operating input voltage range	90–264 V rms	90–264 V rms
Voltage frequency range	47–63 Hz	47–63 Hz
Maximum volt-ampere rating	150 VA	150 VA
Tolerance		

Temperature

	Fahrenheit	Celsius
Operating	41º to 104º	5ºC to 35ºC
Nonoperating	–40º to 158º	–40º to 65ºC

Humidity (noncondensing)

Operating	10 to 90% RH, 27ºC max wet bulb
Nonoperating	93% RH,38ºC max wet bulb

Noise (in accordance with ISO 9296)

Operating acoustic noise	6.3 Bels maximum
Idling acoustic noise	6.0 Bels maximum

Regulations

Meets or exceeds the following requirements

Safety	UL 1950 (third edition); EN60950
Electro-magnetic compatibility • Immunity • Emissions	 • EN55024 • EN55022 Class A, FCC Class A

Requirements and Configuration

System Requirements

To reinstall the server, the operating system is retrieved from a jumpstart server or CD-ROM on the network. The system's identity; Host ID, MAC and NVRAM settings are provided by the System Config Card (SCC).

System Configuration

To reinstall the server, the operating system is retrieved from a jumpstart server or CD-ROM on the network. The system's identity; Host ID, MAC and NVRAM settings are provided by the System Config Card (SCC).

Licensing/Usage

The Sun Fire V100 server is pre-installed with a Solaris 8 and comes with an unlimited user license. Solaris 9 is also an option on the Sun Fire V100.

Interconnect

The Sun Fire V100 server is designed to be a server. Therefore there is no parallel, keyboard, or mouse port. To perform management tasks, the Sun Fire V100 server must be connected to a terminal, which can be a Sun workstation, a laptop, or a hand-held device using the Serial A/LOM port and the included RJ45 to DB9 or RJ45 to DB25 connectors.

The Sun Fire V100 server comes standard with two Ethernet 10 / 100BASE-T ports. The most common deployment scenario for a server used by a service provider is to have two physical network connections for each server. One network interface may be used as the production network, the other as the administrative/backup network. This can provide either redundancy or added security.

System Administration

Refer to `http://docs.sun.com` for information about system administration.

MTBF

The MTBF (Mean Time Between Failure) for the Sun Fire V100 server varies depending upon the configuration. Refer to the Sun internal only site `http://ras4sun.sfbay/` for more information.

Performance Benchmarks—Reference

Refer to the Sun internal only onestop benchmark site `http://onestop.sfbay.sun.com/hw/benchmark.shtml` or the partner site `http://partner.sun.com/competition/benchmarking.html` for information about performance benchmarks.

Software

The following software is used with the Sun Fire V100 server:

- LOM driver support as required, preinstalled with Solaris 8 Operating Environment
- Sun Management Console/ICST
- SNMP
- MIBS
- SunVTS™ software
- SRS ready

The Apache HTTP Server, Sun Java System EE 6.1 and Sun Java System ASP are included with the Sun Fire V100 server.

Operating System

The Sun Fire V100 server supports Solaris 8 Operating Environment beginning with 02/02.

Solaris 9 is also supported.

Ordering Information

The following are part numbers and descriptions for each Sun Fire V100 server configuration.

Order Number	Title and Description
N19-UUE1-A1-256XA1	550- Mhz / 512KB L2 cache/ 256-MB / 80-GB
N19-UUE1-A1-102XA1	550-MHz/512KB L2 cache/1-GB/80-GB
N19-UTE1-A1-102XB1	650-MHz/512KB L2 cache/1-GB/2 x 80-GB

Options

Order number	Option Description	Maximum number supported	Comments
X7091A	256-MB PC133	4	Memory can be installed by customer
X7092A	512-MB PC133	4	Memory can be installed by customer
X7097A	80-GB, 7200 RPM IDE hard drive	2	All configurations come with at least one 80-GB, 7200 RPM IDE hard drive; drive can be installed by customer

Field Replaceable Units

The following field replaceable units (FRUs) are available for Sun Fire V100 servers. Customers can choose to have hot standby servers and use the system configuration card feature or replace individual components.

FRU Part Number	Field Replaceable Units (FRUs)
System	
F600-7995	FRU,V100,256MB,40GB,CD-ROM
F602-2412	FRU,V100,1GB,40GB,CD-ROM
F600-7997	FRU,V100,1GB,2X40GB,CD-ROM
F600-7998	FRU,V100,2GB,2X40GB,CD-ROM
F602-2706	FRU,V100,550MHz, 256MB,80GB,CD-ROM
F602-2707	FRU,V100,550MHz, 1GB,80GB,CD-ROM
F602-2708	FRU,V100,650MHz, 1GB,2x80GB,CD-ROM
Component	
F370-4237	256MB,REG/BUFF DIMM
F540-6215	80GB Hard Drive, 7.2K RPM
F370-4419	40GB Hard Drive, 7.2K RPM
F370-4281-01	512MB, Reg/Buff DIMM

Upgrades

Upgrade Paths

The Sun Fire V100 server can have a memory and hard drive upgrade. The Sun Fire V100 server supports 256-MB and 512-MB PC133 memory. Memory upgrades can be ordered from Sun and installed by the customer.

All Sun Fire V100 server configurations come with at least one 80-GB, 7200 RPM IDE hard drive and one CD-ROM drive. There is an option to install a second hard drive. The hard drive can be ordered from Sun and installed by the customer.

Upgrades for the Sun Fire V100 and V120 are available through the Sun Upgrade Advantage Program (UAP). Customers can trade in their current Sun or non-Sun systems for a trade-in value that is applied to the purchase price of their new Sun Fire servers. System components will also be eligible for trade-in through the Upgrade Advantage Program.

Please refer to the http://www.sun.com/ibb for more information on the Upgrade Advantage Program, qualified systems, qualified components and the return policy.

Upgrade Ordering

Order Number	Title and Description
X7091A	256-MB PC133 memory
X7092A	512-MB PC133 memory
X7097A	80-GB, 7200 RPM IDE hard drive

Service and Support

The SunSpectrumSM program is an innovative and flexible service offering that allows customers to choose the level of service best suited to their needs, ranging from mission-critical support for maximum solution availability to backup assistance for self-support customers. The SunSpectrum program provides a simple pricing structure in which a single fee covers support for an entire system, including related hardware and peripherals, the Solaris Operating Environment software, and telephone support for Sun software packages. The majority of Sun's customers today take advantage of the SunSpectrum program, underscoring the value that it represents. Customers should check with their local Sun Enterprise Services representatives for program and feature availability in their areas.

FEATURE	SUNSPECTRUM PLATINUMSM Mission-critical Support	SUNSPECTRUM GOLDSM Business-critical Support	SUNSPECTRUM SILVERSM Systems Support	SUNSPECTRUM BRONZESM Self Support
Systems Features				
Systems approach coverage	Yes	Yes	Yes	Yes
System availability guarantee	Customized	No	No	No
Account Support Features				
Service account management team	Yes	No	No	No
Local customer support management	No	Yes	No	No
Personal technical account support	Yes	Yes	Option	No
SunStartSM installation service	Yes	No	No	No
Account support plan	Yes	Yes	No	No
Software release planning	Yes	No	No	No
On-site account reviews	Monthly	Semiannual	No	No
Skills assessment	Yes	No	No	No
Site activity log	Yes	Yes	No	No
Coverage / Response Time				
Standard telephone coverage hours	7 day/24 hour	7 day/24 hour	8 a.m.–8 p.m., Monday–Friday	8 a.m.–5 p.m., Monday–Friday
Standard on-site coverage hours	7 day/24 hour	8 a.m.–8 p.m., Monday–Friday	8 a.m.–5 p.m., Monday–Friday	N/A
7-day/24-hour telephone coverage	Yes	Yes	Option	Option
7-day/24-hour on-site coverage	Yes	Option	Option	N/A
7-day/12-hour on-site coverage	No	Option	No	No
5-day/24-hour on-site coverage	No	Option	No	No
Customer-defined priority setting	Yes	Yes	Yes	Option
• Urgent (phone/on-site)	Live transfer/ 2 hour	Live transfer/ 4 hour	Live transfer/ 4 hour	4 hour / N/A
• Serious (phone/on-site)	Live transfer/ 4 hour	2 hour/next day	2 hour/next day	4 hour / N/A

FEATURE	SUNSPECTRUM PLATINUM℠ Mission-critical Support	SUNSPECTRUM GOLD℠ Business-critical Support	SUNSPECTRUM SILVER℠ Systems Support	SUNSPECTRUM BRONZE℠ Self Support
• Not critical (phone/on-site)	Live transfer/ customer convenience	4 hour/ customer convenience	4 hour/ customer convenience	4 hour / N/A
2-hour on-site response	Yes	Option	Option	N/A
Additional contacts	Option	Option	Option	Option
Premier Support Features				
Mission-critical support team	Yes	For urgent problems	No	No
Sun Vendor Integration Program (SunVIP℠)	Yes	Yes	No	No
Software patch management assistance	Yes	No	No	No
Field change order (FCO) management assistance	Yes	No	No	No
Hardware Support Delivery				
Replacement hardware parts	On-site technician	On-site technician	On-site technician	Courier
Two day parts delivery	N/A	N/A	N/A	Yes
Overnight parts delivery	N/A	N/A	N/A	Option
Same-day parts delivery	Yes	Yes	Yes	Option
Remote Systems Diagnostics				
Remote dial-in analysis	Yes	Yes	Yes	Yes
Remote systems monitoring	Yes	Yes	No	No
Remote predictive failure reporting	Yes	Yes	No	No
Software Enhancements and Maintenance Releases				
Solaris Operating Environment enhancement releases	Yes	Yes	Yes	Yes
Patches and maintenance releases	Yes	Yes	Yes	Yes
Sun unbundled software enhancements	Option	Option	Option	Option
Internet and CD-ROM Support Tools				
SunSolve℠ license	Yes	Yes	Yes	Yes
SunSolve EarlyNotifier℠ Service	Yes	Yes	Yes	Yes

Warranty

Sun Fire V100 servers have a one year, return to depot warranty.

Education

Classes may be required depending on customer interest and requirements. Refer to `http://suned.sun.com` for more information.

Professional Services

It is recommended that Sun Client Solutions attend SRT classes to better understand how the Sun Fire V100 server will fit into their current strategy. Sun Client Solutions will then work with the product team to determine the need for any Services offerings and their content. For more information, refer to `http://www.sun.com/service`.

Glossary

1U	One rack unit as defined by the Electronic Industries Alliances (EIA). A vertical measurement equal to 1.75 inches.
AC	Alternating current.
ASR	Automatic server restart. A feature of the LOM module that reduces downtime from system lock-up. ASR enables administrators to configure the Netra t1 AC200/DC200 server to restart automatically in case of a software lock-up.
Density	Number of units in a given amount of space.
Ecache	External cache. Memory cache external to the CPU chip, also referred to as L2 cache.
Ethernet 10/100BASE-T	The most widely used LAN access method defined by the IEEE 802.3 standard; uses standard RJ-45 connectors and telephone wire. 100BASE-T is also referred to as Fast Ethernet.
FRU	Field replaceable unit.
General-purpose server	A server designed to perform any type(s) of function(s). General-purpose servers typically require skilled IT professionals and system administrators to maintain them.
Host ID	The unique identifier assigned to the host computer.
Hot-pluggable	A feature that allows an administrator to remove a drive without affecting hardware system integrity.
Hot-swappable	A feature that allows an administrator to remove and/or replace a device without affecting software integrity. This means that, while the system does not need to be rebooted, the new component is not automatically recognized by the system.
I/O	Input/output. Transferring data between the CPU and any peripherals.
L2 cache	See Ecache.
LOM	Lights out management. A service and availability feature that monitors the system board, fan power and rpm, and temperature via a dedicated LOM serial port, combined console/LOM serial port, or alarm software that can be tied into SNMP. The LOM module also has a remote power on/off and cycle.
MTBF	Mean time between failures. The average time a component works without failure.
MTTR	Mean time to repair. The average time it takes to repair a component.
RAM	Random access memory.
SCSI	Small computer systems interface. Pronounced "scuzzy." A hardware interface that allows the connection of up to 15 peripheral devices to a single bus.
SP	Service provider.

Materials Abstract

SunWIN materials

V100 White Paper   SunWIN 333334

V100 Technical Presentation   SunWIN 333335

V100 Just The Facts   SunWIN 329871 – This document

V100 Datasheet   SunWIN 336661

And on the WWW at http://www.sun.com/servers/entry/v100/