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Find the *Sun Microsystems X2100* at our website: *Click HERE*

# Sun Fire™ X2100 Server

## A Superb Price/Performance x64 Server





### Highlights

- Rack-optimized server providing superb price/performance for Web, security, and network services, HPC/Grid Computing, and application development
- Operating system flexibility — runs virtually any operating system including Solaris™ OS, Linux, and Windows. Solaris 10 OS includes valuable features such as Dynamic Tracing Framework (DTrace), Predictive Self-Healing, Solaris Containers, and multicore platform support
- Help data center costs with compact form factor and low energy consumption
- Common architecture across product line allows customers to tune once, deploy virtually anywhere
- Complete lifecycle management when using Sun N1™ System Manager — from bare-metal discovery through configuration, power management, provisioning, patching, and monitoring, Sun N1 System Manager provides a complete solution for managing Sun's x64 systems

The Sun Fire™ X2100 server is designed to be the quintessential cost-effective solution for customers seeking streamlined, high-performance, single-processor servers to meet ever-expanding computing needs. It's easy to manage, easy to scale, and easy on the budget.

### Superb price/performance server that scales easily

Sun is a frontrunner in x64 (x86 64-bit) computing. Sun continues this leading-edge position with the Sun Fire X2100 server, which provides a flexible and scalable solution for businesses wanting to optimize their IT investment. It helps support organizations trying to keep their budgets under control while continuing to meet their computing needs. The Sun Fire X2100 server is the ideal platform for providing Web services, including cache, security, and proxy servers, as well as hosting application development and meeting other high-performance computing needs.

### Sun makes it easy

With binary compatabilty across Sun's x64 product line and the support of multiple OSs, the Sun Fire X2100 server's application portability is made easy, enabling customers to tune on one system and deploy on many. It supports both single- and dual-core processors, while leveraging the power of high-speed, low-latency HyperTransport technology.

Additional important qualities of the Sun Fire X2100 server are ease of service and system management. Hot-pluggable disk drives and optional Lights Out Management (LOM) features enable centralized system management with fewer on-site personnel, while enabling customers to maintain high levels of system availabilty.

The Sun Fire X2100 server offers a prime opportunity to attain the economies of scale available from x64 computing. The Sun Fire X2100 server is a perfect choice for low price and scalable high-performance computing.

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# Sun Fire X2100 Server

## Processor

One AMD Opteron™ processor 100 Series, single-core (146, 148, 152) or dual-core (175)

## Memory

Four DIMM slots , DDR1/400 unbuffered ECC DIMMs (128-bit plus ECC databus), 512MB and 1 GB DIMMs available, installed in pairs

## Storage

Internal disk

- Up to two 3.5-inch SATA hot-pluggable (hardware only) HDDs, 80 GB and 250 GB disks available

Optical disk

- One EIDE DVD-ROM

## Standard/Integrated Interfaces

- SATA: Four channel SATA interface, internal access only
- Network: two 10/100/1000BaseT Ethernet ports
- Serial: One TIA/EIA-232-F asynchronous HD-9 Port
- USB: Two USB 2.0 ports (Front), Four USB 2.0 ports (Rear) Expansion Bus: One internal 64-bit PCI-Express slot (8-lane, half-height, short-length)

## Software

Operating systems

- Solaris 10 OS, 64-bit (installed)
- Red Hat Enterprise Linux 3, 32-bit/64-bit
- Red Hat Enterprise Linux 4, 64-bit
- SUSE LINUX 9 Professional, 64-bit
- Windows Server 2003, Enterprise Edition, 32-bit/64-bit
- Windows Server 2003, Standard Edition, 32-bit/64-bit

Java Enterprise Services 3

- Supported on Solaris 10 OS on x64 and standard Linux distributions

Languages

- C/C++, FORTRAN
- Java programming language
- all other standard Sun-supported languages

## Management

Optional Service Management Daughter Card (SMDC) with PMI 1.5 (in-band and out-of-band)

## Environmental

Operating temperature (single, nonrack system)

- 5° C to 35° C (41° F to 95° F), 10%–90% relative humidity, noncondensing, 27° C maximum wet bulb

Nonoperating temperature (single, nonrack system)

- -40° C to 65° C (-40° F to 149° F), up to 93% relative humidity, noncondensing, 38° C maximum wet bulb

Altitude (operating) (single, nonrack system)

- Up to 3000m, maximum ambient temperature is derated by 1° C per 500m above 500m

Altitude (nonoperating) (single, nonrack system)

- Up to 12000m

Accoustic noise emissions

- Declared noise emissions in accordance with ISO 9296, A-weighted, sound power: LwAd (1 B = 10 dB) at or below 25 C, 6.6 B (A) idle; 7.6 B (A) operating

## Power

- UL maximum (AC input) 5.13 amps
- Power supply rating (DC output) 300 W
- Typical power consumption 230 W

## Regulations Meets or exceeds the following requirements:

Safety

**Learn more**
Get the details. Learn more about the Sun Fire X2100 server by visiting sun.com/x2100

- IEC60950, UL/CSA60950-1, EN60950, CB Scheme with all country differences

RFI/EMI

- FCC Class A, Part 15 47 CFR, EN55022, CISPR 22, EN300-386:v1.31, ICES-003

Immunity

- EN55024, EN300-386-v.1.3.2

## Certifications

Safety

- cULus Mark, TUV GS Mark, CE Mark, CCC, GOST R, S-Mark

EMC

- CE Mark (93/68/EEC), Emissions and Immunity Class A Emissions Levels: FCC, VCCI, BSMI, C-Tick, MIC, CCC, GOST

Other

- Labeled per WEEE (Waste Electrical and Electronic Equipment) Directive

## Dimensions and weight

Height

- 43mm (1.69 in.)

Width

- 425.5mm (16.75 in.)

Depth

- 550mm (21.68 in.)

Weight

- 13 kg (28.7 lb.) maximum

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