



# Sun Fire™ X2100 Server

A Superb Price/Performance x64 Server



## Highlights

- Rack-optimized server providing superb price/performance for Web, security, 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
- Reduce 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, hosting application development, and meeting other high-performance computing needs.

### Sun makes it easy

With binary compatibility 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 one dual-core or single-core processor, 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 availability.

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.

## Sun Fire X2100 Server

### Processor

One AMD Opteron 100 series processor, single-core (Models 146, 148, 152, 154, 156) or dual-core (Models 175, 180, 185)

### Memory

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

### Storage

#### Internal disk

Up to two 3.5-inch SATA hot-pluggable (hardware only) HDDs, RAID 0, 1 onboard, 80 GB, 250 GB and 500 GB disks available

#### Removable media

One EIDE DVD-ROM

### Standard/integrated interfaces

- SATA: Four-channel SATA interface, internal access only
- Network: two 10/100/1000Base-T Ethernet ports
- Serial: One TIA/EIA-232-F asynchronous DB9 port
- USB: Two USB 2.0 ports (Front), Four USB 2.0 ports (Rear) Expansion Bus: One internal 64-bit PCI-Express slot (eight-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 Enterprise Server 9, 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

Server Management Daughter Card (SMDC) with IPMI 1.5 (in-band and out-of-band)—standard in some configurations, optional for others

### Environmental

#### Operating temperature (single, nonrack system)

5° C to 35° C (41° F to 95° F), 10–90 percent 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 percent relative humidity, noncondensing, 38° C maximum wet bulb

#### Operating altitude (single, nonrack system)

Up to 3,000m, maximum ambient temperature is derated by 1° C per 500m above 500m

#### Nonoperating altitude (single, nonrack system)

Up to 12,000m

#### Acoustic 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

### Learn more

Get the details. Learn more about the Sun Fire X2100 server by visiting [sun.com/x2100](http://sun.com/x2100).

### Regulations Meets or exceeds the following requirements:

#### Safety

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