

## Sun Ultra™ 24 Workstation

Leading-edge Intel® Core™ 2 Extreme Quad-Core power, proven Sun innovation



### Highlights

- Intel® Core™ 2 Duo, Intel® Core™ 2 Quad, and Intel® Core™ 2 Extreme Quad-Core Processors
- Latest NVIDIA Quadro FX Graphics with Gen2 PCI Express interfaces
- Up to 3 TB of high-density, high-performance, reliable internal storage and up to 8 GB of fast, reliable memory
- Preinstalled with the Solaris™ 10 Operating System and Sun's award-winning Sun Studio™ 12, Sun Java™ Studio, Sun Java™ Studio Creator 2 and Sun Java™ Studio Enterprise 8, and NetBeans™ 5.5 development tools
- Flexibility to deploy desktop solutions within existing IT infrastructure with the broadest range of OS support in the industry
- Future upgrade path to next-generation processor and graphics technologies
- Optional installation services, training, and world-class heterogeneous support to optimize your workstation implementation

The Sun Ultra™ 24 workstation is Sun's first quad-core x64 workstation. Powered by the Intel Core2 Duo, Intel Core2 Quad, and Intel Core2 Extreme Quad-Core Processors, it delivers record-smashing performance at budget-friendly prices. With high-performance Gen2 PCI Express and the best of NVIDIA's Quadro FX Graphics line, the Sun Ultra 24 workstation delivers the application performance that quickens design cycles, accelerates decision making, and gets products to market faster. From software development to visualization, computer-aided design to analysis, this system is an innovative workhorse designed to meet the demands of today's technical professionals.

The Sun Ultra 24 workstation is simple to deploy and easy to run, offering the broadest range of OS support, including 32- and 64-bit versions of the Solaris Operating System, Windows, Red Hat Enterprise Linux, and SUSE Linux. With certification of key technical applications, the Sun Ultra 24 workstation easily integrates into existing IT infrastructures. And with support for today's Dual and Quad Intel Core 2 Processors as well as next-generation processors, the Sun Ultra 24 workstation has the built-in headroom that allows your IT infrastructure to grow with your business needs.

performance — up to 80 percent faster in highly threaded applications — it virtually eliminates processing bottlenecks. The Sun Ultra 24 workstation comes preloaded with Sun's proven and award-winning software development tools, and supports a wide range of OS and processor configurations — helping simplify and accelerate software design cycles.

Sun offers a suite of services to optimize your Sun Ultra 24 workstation implementation and decrease your operational costs. With a single price for integrated hardware and OS support, you can choose from four levels of service to best match your business needs, from basic to mission-critical support.



The Sun Ultra 24 workstation offers faster time to results, with its record-setting 3D graphics and fast quad-core processor

## Sun Ultra 24 Workstation Specifications

### Processors

- Intel Core2 Duo Processor
- Intel Core2 Quad Processor
- Intel Core2 Extreme Quad-Core Processor

### Chipset

Intel X38 Express

### Number of processors

One

### Processor models

- E4400 Intel® Core™2 Duo  
2.0 GHz, 800 MHz Front Side Bus (FSB)
- E6750 Intel® Core™2 Duo  
2.66 GHz, 1,066 MHz FSB
- E6850 Intel® Core™2 Duo  
3.0 GHz, 1,333 MHz FSB
- Q6600 Intel® Core™2 Quad  
2.4 GHz, 1,066 MHz FSB
- Q6700 Intel® Core™2 Quad  
2.66 GHz, 1,066 MHz FSB
- QX6850 Intel® Core™2 Extreme Quad-Core  
3.0 GHz, 1,333 MHz FSB

### Memory

- Unbuffered DIMMs, DDR2-667, four DIMM slots, 8 GB maximum
- Three DIMM sizes: 512 MB, 1 GB (ECC), and 2 GB (ECC)

### Graphics

- One NVIDIA Quadro FX 5600 Graphics Accelerator Card
- One NVIDIA Quadro FX 4600 Graphics Accelerator Card
- Two NVIDIA Quadro FX 1700 Graphics Accelerator Cards
- Two NVIDIA Quadro FX 570 Graphics Accelerator Cards
- Two NVIDIA Quadro NVS 290 Graphics Accelerator Cards

### Networking

- Single Gigabit Ethernet integrated on motherboard
- One RJ-45 port (rear)

### Optical disk drives

DVD-ROM or DVD-Dual

### Hard disk drives

- Up to four SATA drives, 3 TB maximum: 250 GB, 750 GB (7,200 rpm)
- Up to four SAS drives (through PCIe HBA), 1.2 TB maximum: 146 GB, 300 GB (15,000 rpm)

### RAID support

RAID 0, 1, 5, and 10 (with Windows XP and Vista)

RAID 0 and 1 (with Linux and Solaris 10 OS Update 5)

### FireWire™ ports

Two front

### USB 2.0 ports

Two front, four rear, one internal

### Audio

Intel High Definition Audio 1.0

### Serial ports

None

### PCI Express slots

- Two full-length x16 Gen2 slots
- One full-length x8 slot (x4 electrical)
- One full-length x1 slot

### 5V/32-bit/33-MHz PCI slots

Two full-length slots

### Operating environments validated by Sun

- Solaris 10 OS 8/07 (Update 4)
- Windows Vista Ultimate (32-bit/64-bit)
- Windows XP Professional (32-bit/64-bit) Service Pack 2 and later

### Learn More

To learn more about the Sun Ultra 24 workstation, go to: [sun.com/ultra24](http://sun.com/ultra24)

- Windows Server 2003 R2 and SP2 (32-bit/64-bit)
- Red Hat Enterprise Linux Client 5 (32-bit and 64-bit) and later
- Red Hat Enterprise Linux WS 4.5 (32-bit and 64-bit) and later
- SUSE Linux Enterprise Server 9 (64-bit) Service Pack 4 and later
- SUSE Linux Enterprise Desktop 10 (64-bit) Service Pack 1 and later

### Preinstalled software

- Solaris 10 OS
- Sun Studio 12 software
- Sun Java Studio Creator 2 Update 1
- Sun Java Studio Enterprise 8.1
- NetBeans 5.5.1

### Dimensions

- Height: 433.6mm (17.07 in.)
- Width: 199.6mm (7.86 in.)
- Depth: 467.45mm (18.40 in.)
- Weight: 15.4 kg (34 lbs.)

### Power supply

- 530 W
- 80 PLUS® certified power supplies

### Warranty

- One year, next business day
- HW coverage hours: Business hours
- HW response times: Next business day
- Delivery method: Parts exchange or onsite