

Sun Ultra™ 24 Workstation

Leading-Edge Intel® Core™ 2 Extreme Processor power, proven Sun innovation



Highlights

- Intel® Core™ 2 Duo, Intel® Core™ 2 Quad, and Intel® Core™ 2 Extreme Processors
- Latest NVIDIA Quadro FX Graphics with Gen2 PCI Express (PCIe) 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 OS and Sun's award-winning Sun Studio 12, Sun Java™ Studio, Sun Java™ Studio Creator 2, 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 Processors, it delivers record-smashing performance at budget-friendly prices. With high-performance Gen2 PCIe 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 OS, 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 Intel Core2 Processors as well as next-generation processors, the Sun Ultra 24 Workstation has the built-in headroom that enables your IT infrastructure to grow with your business needs.

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

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.



Sun Ultra 24 Workstation Specifications

Processor

One Intel® Processor

- Intel Core2 Duo Desktop Processor E4400
- Intel Core2 Duo Desktop Processor E6750
- Intel Core2 Duo Desktop Processor E6850
- Intel Core2 Quad Processor Q6600
- Intel Core2 Quad Processor Q6700
- Intel Core2 Extreme Processor QX6850

I/O chipset

Intel X38 Express

Memory

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

Standard integrated interfaces

- Network: Single GbE integrated on motherboard
- One RJ-45 port (rear)
- FireWire™: Two front
- Audio: Intel High Definition Audio 1.0
- Expansion bus: Two full-length x16 Gen2 slots; one full-length x8 slot (x4 electrical); one full-length x1 slot; two full-length PCI slots (32-bit/33 MHz/5 V)
- Optical disk drives: DVD-ROM or DVD-Dual
- SATA: Up to four SATA drives, 3 TB maximum: 250 GB, 750 GB (7,200 rpm)
- SAS: Up to four SAS drives (through PCIe host bus adapter (HBA), 1.2 TB maximum: 146 GB, 300 GB (15,000 rpm)
- RAID: RAID 0, 1, 5, and 10 (with Windows XP and Vista); Raid 0 and 1 (with Linux and Solaris 10 OS Update 5)
- USB: Two front, four rear, one internal
- Serial: None

Software

Operating systems

- Solaris 10 OS 8/07 (Update 4)
- 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
- Windows Vista Ultimate (32-bit/64-bit)
- Windows XP Professional (32-bit/64-bit) Service Pack 2 and later
- Windows Server 2003 R2 and SP2 (32-bit/64-bit)

Preinstalled software

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

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

Input devices

Sun Type 7 USB keyboard (support for up to 22 language layouts) and two-button optical scroll mouse

Displays

- Sun 24.1 in. LCD
- Sun 20.1 in. LCD
- Sun 19 in. LCD
- Sun 17 in. LCD

Learn More

To learn more about the Sun Ultra 24 Workstation, go to: sun.com/ultra24

Environment

- Power supply
 - 530 W 80 PLUS® certified power supplies
- Acoustic noise
 - Operating: 4.7 B
 - Idle: 4.3 B

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.)

Regulations (meets or exceeds the following requirements)

Safety: UL/CSA-60950, EN 60950, IEC 60950 CB

Ergonomics: EK1-1TB-2000

RFI/EMC: EN 55022/CISPR 22 Class B, FCC CFR 47 Part 15 Class B; EN 6100-3-2, EN 61000-3-3

Immunity: EN 55024

Regulatory markings: UL/cUL, TUV-GS, CE, FCC, ICES-003, C-Tick, VCCI, GOST-R, BSMI, CCC, S-Mark, MIC

Power Management: Supports PowerNow. Standard ACPI power states (S0, S3, S4, S5) management

Warranty

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