

Sun Systems with Intel® Xeon® Technology

Powerful, scalable, energy efficient

> for Solaris, Linux, Windows, and VMware

Highlights

**Intel® Xeon® processors:
ideal for demanding applications
and for consolidation**

- As your business volume increases, so too does the complexity of your network. That's why your company needs servers with Intel® Xeon® processors, which offer you the performance, reliability and growth reserves that you require.
- Servers equipped with Intel® Xeon® processors allow you to stop worrying about computers and concentrate fully on your business. The Intel® Xeon® processor represents advanced technology that offers your company impressive long-term performance.
- The high performance and reliability offered by servers with Intel® Xeon® processors ensures a rapid return on your investment. And, in the light of ever-increasing energy costs, better server scalability, market-leading computing power per Watt, and intelligent energy management save you money in the long term.

Sun Fire X2270 Server



High performance at low cost – with up to two Intel® Xeon® 5500 processors, up to 96GB RAM and 4TB disk space.

Sun Fire X4170 Server



Two Intel® Xeon® 5500 processors, up to 144GB RAM and 8 SAS/SATA/SSD disk drives, all fans and power supply units redundantly designed.

Sun Fire X4270 Server



Like Sun Fire X4170, but 16 instead of 8 SAS/SATA/SSD hard drives, 6 instead of 3 PCI Express 2.0 slots.

Sun Fire X4275 Server



The perfect data server with 2 Intel® Xeon® 5500 processors, with up to 144 GB RAM and 12 TB disk space. All fans and power supply units redundantly designed.

Sun Fire X4450 Server



The powerhouse: four Intel® Xeon® 7400 processors, 256GB RAM and 8 SAS hard drives in 2HE, all fans and power supply units redundantly designed.

Sun Ultra 27 Workstation



Maximum performance thanks to an Intel® Xeon® 3500 processor, up to 12GB RAM and 4TB disk space.



	Sun Fire x2270 Server	Sun Fire X4170	Sun Fire X4270	Sun Fire X4275	Sun Fire X4450
Number of processors	2	2	2	2	4
Type	Intel® Xeon® processor 5500 series	Intel® Xeon® processor 5500 series	Intel® Xeon® processor 5500 Serie	Intel® Xeon® processor 5500 series	Intel® Xeon® processor 7300 Intel® Xeon® processor 7400
RAM Slots	12	18	18	18	32
RAM max.	96 GB	144 GB	144 GB	144 GB	128 GB
RAM type	DDR3 DIMM (2 GB - 8 GB @ 1333 MHz)	DDR3 DIMM (2 GB - 4 GB @ 1066 Mhz, 4 GB @ 1333 MHz)	DDR3 DIMM (2 GB - 4 GB @ 1066 MHz, 4 GB @ 1333 MHz)	DDR3 DIMM (2 GB - 4 GB @ 1066 MHz, 4 GB @ 1333 MHz)	Fully Buffered DDR2-667 MHz / PC2-5300 ECC Registered DIMM
Hard drive bays	4 / 2 (Flash)	8	16	12	8
Drive type	Hot-plug SATA (3.5", 7.200 rpm) Hot-Plug SSD (3.5") Sun Flash Module	Hot-swap SAS, SATA or SSD (2.5")	Hot-swap SAS, SATA or SSD (2.5")	Hot-swap SAS, SATA or SSD (3.5")	Hot-swap 2.5" SAS
Drive size	SATA: 500 GB, 1 TB SSD: 32 GB Sun Flash Modul: 24 GB	SATA: 500 GB	SATA: 500 GB	1 TB, 2 TB	73 / 146 GB
RAID Controller onboard		(optional) 0, 1, 1E, 5, 5EE, 6, 10, 50, 60	(optional) 0, 1, 1E, 5, 5EE, 6, 10, 50, 60	(optional) 0, 1, 1E, 5, 5EE, 6, 10, 50, 60	(optional) 0, 1, 1E, 5, 5EE, 6, 10, 50, 60
Opt LW	-	DVD +/- R/RW	DVD +/-R/RW	-	8 x DVD-RW
Remote Mgmt	ILOM (optional)	ILOM	ILOM	ILOM	ILOM
Rack units	1	1	2	2	2
Power supply units	1 (600 Watt)	2 (750 Watt)	2 (1050 Watt)	2 (1050 Watt)	2 (1100 Watt)
Keyboard/Maus	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0
PCI/PCI Express slots (mechanical, electrical)	1 PCIe 2.0 (x16/x16) low profile	1 PCIe 2.0 (x16/x16) 2 PCIe 2.0 (x8/x8) 1 internal CF	6 PCIe 2.0 (x8/x8) 1 internal CF	6 PCIe 2.0 (x8/x8) 1 internal CF	2 PCIe x8 (x16 mechanical) 3 PCIe x4 (x8 mechanical) 1 PCIe x4 (x16 mechanical)
Network	2 10/100/1000 Base-T Ethernet ports 1 serial RJ-45 port	4 10/100/1000 Base-T Ethernet ports 1 serial RJ-45 port	4 10/100/1000 Base-T Ethernet ports 1 serial RJ-45 port	4 10/100/1000 Base-T Ethernet ports 1 serial RJ-45 port	4 10/100/1000 Base-T Ethernet ports
Miscellaneous interfaces	5 USB 2.0 ports (2 at front, 2 at back, 1 internal)	5 USB 2.0 ports (2 at front, 2 at back, 1 internal)	5 USB 2.0 ports (2 at front, 2 at back, 1 internal)	3 USB 2.0 ports	5 USB 2.0 ports (2 at front, 2 at back, 1 internal)
Solaris support	• Solaris 10 2008.10 OS • OpenSolaris 2008.11 OS	• Solaris 10 2008.10 OS (64-bit) • OpenSolaris OS 2008.11	• Solaris 10 2008.10 OS (64-bit) • OpenSolaris OS 2008.11	• Solaris 10 2008.10 OS (64-bit) • OpenSolaris OS 2008.11	• Solaris 10 8/07 (U5)
Linux support	• SUSE Linux Enterprise Server 10 SP2 (64-bit) • Red Hat Enterprise Linux 4.7 (32/64-bit) • Red Hat Enterprise Linux 5.3 (64-bit)	• Red Hat Enterprise Linux 4.7 (32/64-bit) • Red Hat Enterprise Linux 5.3 (32/64-bit) • SUSE Linux Enterprise Server 10 SP2 (64-bit)	• Red Hat Enterprise Linux 4.7 (32/64-bit) • Red Hat Enterprise Linux 5.3 (32/64-bit) • SUSE Linux Enterprise Server 10 SP2 (64-bit)	• Red Hat Enterprise Linux 4.7 (32/64-bit) • Red Hat Enterprise Linux 5.3 (32/64-bit) • SUSE Linux Enterprise Server 10 SP2 (64-bit)	• RHEL 4 U5, 32- und 64-bit • SLES 10 SP1, 64-bit • SLES 9 SP4, 64-bit
Windows support	• Microsoft Windows Server 2003 Standard/Enterprise Editionen (32/64-bit) • Microsoft Windows Server 2008 Standard/Enterprise Editions (64-bit)	• Microsoft Windows Server 2003 Standard/Enterprise Editionen (32/64-bit) • Microsoft Windows Server 2008 Standard/Enterprise/ Datacenter Editions (32/64-bit)	• Microsoft Windows Server 2003 Standard/Enterprise Editionen (32/64-bit) • Microsoft Windows Server 2008 Standard/Enterprise/ Datacenter Editions (32/64-bit)	• Microsoft Windows Server 2003 Standard/Enterprise Editionen (32/64-bit) • Microsoft Windows Server 2008 Standard/Enterprise/ Datacenter Editions (32/64-bit)	• Microsoft Windows Server 2003 Standard and Enterprise Editions, 32- und 64-bit • Microsoft Windows Server 2008 Standard and Enterprise Editions, 32- und 64-bit
VMware support	• VMware ESX 3.5 • VMware EXSi 3.5 U4	• VMware ESX 3.5 U4 (32/64-bit) • VMware EXSi 3.5 U4	• VMware ESX 3.5 U4 (32/64-bit) • VMware EXSi 3.5 U4	• VMware ESX 3.5 U4 (32/64-bit) • VMware EXSi 3.5 U4	• VMware ESX 3.0.2 und 3.5
Info on Web	www.sun.com/x2270	www.sun.com/x4170	www.sun.com/x4270	www.sun.com/x4275	www.sun.com/x4450
Current prices	www.sun.com/shop	www.sun.com/shop	www.sun.com/shop	www.sun.com/shop	www.sun.com/shop

Test all Intel servers for 60 days free of charge and with no commitment: www.sun.com/tryandbuy

	Sun Blade x6270 Server Modul	Sun Blade x6275 Server Modul	Sun Blade x6450 Server Modul	Sun Ultra 27 Workstation
Number of processors	2	2 x 2	4	1
Type	Intel® Xeon® processor 5500 series	Intel® Xeon® processor 5500 series	Intel® Xeon® processor 7300 Intel® Xeon® processor 7400	Intel® Xeon® processor 3500 series
RAM Slots	18	2 x 12	24	6
RAM max.	144 GB	2 x 96 GB	96 GB	12 GB
RAM type	DDR3 ECC registered DIMM (2 GB and 4 GB @ 1066 MHz and 1333 MHz)	DDR3 DIMM (2 GB and 4 GB @ 1066 MHz and 1333 MHz, 8 GB)	Fully Buffered DDR2-667 MHz / PC2-5300 ECC Registered DIMM	DDR3 unbuffered ECC DIMM (1 GB and 2 GB @ 1066MHz, 2 GB @ 1333MHz)
Hard drive bays	4	2 x 1 (Flash)	1	4
Drive type	Hot-swap/Hot-plug SATA and SAS (2.5") CF (1 und 2)	Sun Flash Module: 24 GB	8 GB Compact Flash type II	SATA (3.5", 7.200 rpm) SAS (3.5", 15.000 rpm) (optional)
Drive size	SAS: 146 GB		8 GB	SATA: 500 GB, 1 TB SAS: 300 GB, 450 GB
RAID Controller onboard	-	-	-	SATA: 0, 1, 5, 10 SAS (optional): 0, 1, 5, 10
Opt LW	-	-	-	DVD +/- R/RW DL
Remote Mgmt	ILOM	ILOM	ILOM	
Rack units	10 (chassis)	10 (chassis)	10 (chassis)	
Power supply units	1+1 (chassis)	1+1 (chassis)	1+1 (chassis)	1 (530 Watt)
Keyboard/Maus	USB 2.0	USB 2.0	USB 2.0	USB 2.0
PCI/PCI Express slots (mechanical, electrical)	2 PCI-E Express Module 2.0 (x8/x8)	2 PCI-E Express Module 2.0 (x8/x8)	2 PCI-E Express Module	2 PCIe 2.0 (x16/x16) 1 PCIe 2.0 (x8/x4) 1 PCIe 1.0 (x8/x4) 1PCIe 1.0 (x1/x1) 1 PCI (5V/32-bit/33 MHz)
Network	2 10/100/1000 Base-T Ethernet ports	4 10/100/1000 Base-T Ethernet ports	2 10/100/1000 Base-T Ethernet ports	1 1000 Ethernet port
Miscellaneous interfaces	2 USB ports	2 USB ports	2 USB 2.0 ports (front)	2 FW 1394a ports (front) 8 USB 2.0 ports (2 at front, 4 at back, 2 internal)
Solaris support	<ul style="list-style-type: none"> Solaris 10 OS 10/08 OpenSolaris OS 2008.11 	<ul style="list-style-type: none"> Solaris 10 OS 10/08 OpenSolaris OS 2008.11 	<ul style="list-style-type: none"> Solaris 10 8/07 (U4 with patches) 	<ul style="list-style-type: none"> Solaris 10 update 6
Linux support	<ul style="list-style-type: none"> Red Hat Enterprise Linux 4.7 (32/64-bit) Red Hat Enterprise Linux 5.3 (64-bit) SUSE Linux Enterprise Server 10 SP2 (64-bit) SUSE Linux Enterprise Server 11 (64-bit) 	<ul style="list-style-type: none"> SUSE Linux Enterprise Server 10 SP2 (64-bit) SUSE Linux Enterprise Server 11 (64-bit) Red Hat Enterprise Linux 5.3 (64-bit) Red Hat Enterprise Linux 4.8 (32/64-bit) 	<ul style="list-style-type: none"> RHEL 4 U6 (32-bit) and U5 (64-bit) SLES 10 SP1, 64-bit SLES 9 SP4, 64-bit 	<ul style="list-style-type: none"> Red Hat Enterprise Linux WS 5 (32/64-bit) 2 and higher SUSE Linux Enterprise Desktop 10 (64-bit) ServicePack 1 or higher
Windows support	<ul style="list-style-type: none"> Microsoft Windows Server 2003 Standard/Enterprise Editions (32/64-bit) Microsoft Windows Server 2008 Standard/Enterprise/ Datacenter Editions (32/64-bit) 	<ul style="list-style-type: none"> Microsoft Windows Server 2003 Enterprise Edition (32/64-bit) Microsoft Windows Server 2008 Datacenter Edition (32/64-bit) Microsoft Windows Compute Cluster Server 	<ul style="list-style-type: none"> Microsoft Windows Server 2003 Standard and Enterprise Edition, 32- and 64-bit Microsoft Windows Server 2008 Standard and Enterprise Edition, 32- und 64-bit 	<ul style="list-style-type: none"> Microsoft Windows Vista Ultimate Edition (32/64-bit) Microsoft Windows Server 2008
VMware support	<ul style="list-style-type: none"> VMware ESX 3.5 U4 VMware ESXi 3.5 U4 	<ul style="list-style-type: none"> VMware ESX VMware ESXi 	<ul style="list-style-type: none"> VMware ESX 3.0.2 and 3.5 	
Info on Web	www.sun.com/x6270	www.sun.com/x6275	www.sun.com/blades	www.sun.com/ultra27
Current prices	www.sun.com/shop	www.sun.com/shop	www.sun.com/shop	www.sun.com/shop

Sun Blade 6000 Modular System



Up to ten blades, each with two or four Intel® Xeon® processors. Disk drives, power supply units and fans are redundantly designed. Additional slots in accordance with the Hot Plug PCI Express standard. The powerful PCI Express interface between the blades and I/O allows the Sun Blade 6000 Modular System to offer sufficient bandwidth for both today's Intel Xeon processors and those in the future.

Sun Blade X6270 Server Module



Two Intel® Xeon® 5500 processors, up to 144GB RAM and 4 SAS/SATA/SSD disk drives.

Sun Blade X6275 Server Module



Two servers in one blade – each equipped with two Intel® Xeon® 5500 processors and up to 96GB RAM.

Sun Blade X6450 Server Module



Four Intel® Xeon® 7400 processors, up to 192GB RAM.

Sun Blade 6000 Disk Module



With eight disk drives and up to 1.2TB disk space.