

Sun Workgroup Server Product Line Overview



Product Specifications	Sun Ultra 5	Sun Ultra 10	Sun Enterprise 220R	Sun Fire 280R	Sun Enterprise 250	Sun Enterprise 420R	Sun Enterprise 450
Multiprocessing	No	No	Yes	Yes	Yes	Yes	Yes
CPUs	1	1	1-2	1-2	1-2	1-4	1-4
Processor	UltraSPARC™ IIi	UltraSPARC IIi	UltraSPARC II	UltraSPARC III	UltraSPARC II	UltraSPARC II	UltraSPARC II
Clock Speed	360 MHz	440 MHz	360 MHz/450 MHz	750 MHz	300 MHz/400 MHz	450 MHz	400 MHz/480 MHz
On-chip cache size/ External cache	16 KB 1-cache + 16 KB D-cache/ 256 KB	16 KB 1-cache + 16 KB D-cache/ 2 MB	16 KB 1-cache + 16 KB D-cache/ 4 MB	32 KB 1-cache + 64 KB D-cache/	16 KB 1-cache + 16 KB D-cache/ 2 MB	16 KB 1-cache + 16 KB D-cache/ 4 MB	16 KB 1-cache + 16 KB D-cache/ 4 MB/8 MB
Main Memory	64 MB to 512 MB	128 MB to 1 GB	256 MB to 2 GB	512 MB to 8 GB	256 MB to 2 GB	256 MB to 4 GB	256 MB to 4 GB
Maximum internal disk capacity	8.4 GB	18.2 GB	72 GB Hot Plug	Up to two 36 GB FC-AL drives	218 GB Hot Plug	72 GB Hot Plug	728 GB Hot Plug
Maximum external disk capacity	864 GB	1.1 TB	Greater than 1 TB	Greater than 1 TB	Greater than 1 TB	Greater than 1 TB	Multiple TB
Backup	2.5-GB QIC, 14-GB/8-mm, 12-GB to 24-GB/4-mm DDS-4 tape, 72-GB to 144-GB/4-mm DDS-4 autoloader; SPARCstorage™ Library Model 8/140 or 8/400, SPARCstorage DLT™4000, DLT4700, and DLT7000		14-GB/8-mm, 12-GB to 24 GB/4-mm DDS-4 tape, 72GB to 144-GB/4-mm DDS-4 autoloader; SPARCstorage Library Model 8/140 or 8/400, SPARCstorage DLT4000, DLT4700, and DLT7000				
Data interchange/software distribution	ATAPI CD ROM, 3.5 floppy	ATAPI CD ROM, 3.5 floppy	DVD/CD ROM	DVD	DVD/CD ROM/3.5-inch floppy	DVD/CD ROM	DVD/CD ROM/3.5-inch floppy
I/O slots	3 PCI	4 PCI	2 PCI buses, 4 slots (all 64 bit: three @ 33 MHz, one @ 66 MHz)	4 PCI slots (three @ 33MHz 64 bit, one @ 66/33MHz 64 bit)	2 PCI buses, 4 slots (all 64 bit: three @ 33 MHz, one @ 66 MHz)	2 PCI buses, 4 slots (three 64 bit; one 32 bit; three @ 33 MHz, one @ 66 MHz)	6 PCI buses, 10 slots (three 32 bit @33 MHz, four 32 or 64 bit @ 33 MHz, three 32 or 64 bit @ 33 or 66 MHz)
Operating environment	Solaris™ 2.5.1 Hardware: 11/97 or later Solaris 2.6 Hardware: 3/98 or later Solaris 7, Solaris 8	Solaris™ 2.5.1 Hardware: 11/97 or later Solaris 2.6 Hardware: 3/98 or later Solaris 7, Solaris 8	Solaris 2.5.1 Hardware: 11/97 Solaris 2.6 Hardware: 5/98 Solaris 7 U3: 8/99 Solaris 8	Solaris 8	Solaris 2.5.1 Hardware: 11/97 Solaris 2.6 Hardware: 5/98 Solaris 7 Solaris 8	Solaris 2.5.1 Hardware: 11/97 Solaris 2.6 Hardware: 5/98 Solaris 7 U3: 8/99 Solaris 8	Solaris 2.5.1 Hardware: 11/97 (400 MHz only) Solaris 2.6 Hardware: 5/98 Solaris 7 10/99 Solaris 8 1/00
Redundant power and cooling	N/A	N/A	Power	Power	Power	Power	Power
Hot-swap system components	N/A	N/A	Power and Disk	Power and Disk	Power and Disk	Power and Disk	Power and Disk
System monitor	N/A	N/A	Sun Management Center	Sun Management Center, Remote System Control , Automatic System Recovery	Sun Management Center, Remote System Control	Sun Management Center	Sun Management Center