

Sun Fire X64 Intel Servers

System	Max Socket	Processor Type	Memory	Max Memory	Internal Disks	PCI I/O	On-Board Ethernet	Rack Units	Notes	OS Support	Cat	Competition
X2250 X2250 : Venus	2X Intel (4 cores)	Quad: 2.0(E5405); 2.5(L5420); 2.8(E5462); 3.0(E5472); 3.2(X5482)	8 DIMM slots (2/4) FB-DIMM	32GB	2 X250/500/1000GB (7.2K) SATA	1 PCI-E-x16	2 GigE	1U	On-board VGA	Sol 10 8/07, Open Solaris, RHEL 4/5, SLES 10, Win2003 / 2008	F	IBM x3450 Dell PE 1950 III HP DL360 G5
X2270 X2270 : Wasp	2X Intel Nehalem (4 cores)	Quad: 2.0(E5504); 2.26(L5520); 2.53(E5540); 2.66(X5550); 2.93(X5570); L5520 LOD: 11/20/09	12 DIMM slots (2/4/8) DDR3	96GB	4X 500/1000GB (7.2K) SATA up to 4X 32GB SSD	1 PCI-E2.0-x16	2 GigE	1U	VGA w/opt. ILOM	Sol 10 10/08, Open Solaris, RHEL 4/5, SLES 10/11, Win2003/2008, Vmware 3.5/4.0	F	IBM x3450 Dell PE1950 III HP DL160 G5p
X4150 B13 : Doradi 1U	2X Intel (4 cores)	Quad: 2.33(E5410); 2.5(L5420); 2.66(L5430); 2.83(E5440); 3.0(E5450); 3.16(X5460); 3.33(X5470) L5430,E5440,X5470 LOD: 9/11/2009	16 DIMM slots (2/4) FB-DIMM	64GB	8X 73(15K)/146(10K)/300(10K) SAS up to 4X 32GB SSD 73GB disk LOD: 11/6/09	3 PCI-E-x8	4 GigE	1U	On-board VGA; Note #1	Sol 10 8/07, Open Solaris, RHEL 4/5, SLES 10, Ubuntu 8, Win2003/2008, Vmware 3.5/4.0	F	IBM x3450 Dell PE1950 III HP DL360 G5
X4170 X4170 : Lynx 1U	2X Intel Nehalem (4 cores)	Quad: 2.26(E5520); 2.26(L5520); 2.53(E5540); 2.8(X5560); 2.93(X5570)	18 DIMM slots (2/4/8) DDR3	144GB	8x 73(15K)/146(10K)/300(10K)GB SAS up to 4X 32GB SSD 16GB Compact Flash 73GB disk LOD: 11/6/09	PCI-E2.0 1-x16; 2-x8	4 GigE	1U	On-board VGA; Note #1	Sol 10 10/08, Open Solaris, RHEL 4/5, SLES 10/11, Win2003/2008, Vmware 3.5/4.0	F	IBM x3550 M2 Dell PE R610 HP DL160 G6
X4250 X425 : Doradi 2U	2X Intel (4 cores)	Quad: 2.33(E5410); 2.5(L5420); 2.66(L5430); 2.83(E5440); 3.0(E5450); 3.16(X5460); 3.33(X5470) L5430,E5440,X5470 LOD: 9/11/2009	16 DIMM slots (2/4) FB-DIMM	64GB	16X 73(15K)/146(10K)/300GB(10K) SAS up to 8X 32GB SSD 73GB disk LOD: 11/6/09	6 PCI-E-x8	4 GigE	2U	On-board VGA; Note #1	Sol 10 8/07, Open Solaris, RHEL 4/5, SLES 10, Ubuntu 8, Win2003/2008, Vmware 3.5/4.0	F	IBM x3650 Dell PE 2950 III HP DL380 G5
X4270 X4270 : Lynx 2U	2X Intel Nehalem (4 cores)	Quad: 2.26(E5520); 2.26(L5520); 2.53(E5540); 2.8(X5560); 2.93(X5570)	18 DIMM slots (2/4/8) DDR3	144GB	16X 73(15K)/146(10K)/300(10K)GB SAS up to 8X 32GB SSD 16GB Compact Flash 73GB disk LOD: 11/6/09	6 PCI-E2.0-x8	4 GigE	2U	On-board VGA; Note #1	Sol 10 10/08, Open Solaris, RHEL 4/5, SLES 10/11, Win2003/2008, Vmware 3.5/4.0	F	IBM x3650 M2 Dell PE R710 HP DL380 G6
X4275 X4275 : Lynx 2UH	2X Intel Nehalem (4 cores)	Quad: 2.26(E5520); 2.26(L5520); 2.53(E5540); 2.8(X5560); 2.93(X5570)	18 DIMM slots (2/4/8) DDR3	144GB	12X 300(15K)/450(15K) GB SAS or 1000(7.2K)GB SATA up to 8X 32GB SSD 16GB Compact Flash 450GB disk LOD: 10/23/09	6 PCI-E2.0-x8	4 GigE	2U	On-board VGA; Note #1	Sol 10 10/08, Open Solaris, RHEL 4/5, SLES 10/11, Win2003/2008, Vmware 3.5/4.0	F	IBM x3650 M2 Dell PE R710 HP DL380 G6
X4450 B15 : Tucani	4X Intel (4/6 cores)	Quad: 2.13(E7320); 2.13(E7420); 2.4(E7340); 2.93(X7350); Six: 2.4(E7450); 2.66(X7460) E7320,E7340,X7350 LOD: 11/6/09	32 DIMM slots (2/4/8) FB-DIMM	256GB	8X 73(15K)/146(10K)/300(10K)GB SAS up to 4X 32GB SDD 73GB disk LOD: 11/6/09	2 PCI-E-x8; 4 PCI-E-x4	4 GigE	2U	On-board VGA; Note #1	Sol 10 8/07, Open Solaris, RHEL 4/5, SLES 9/10, Win2003/2008, Vmware 3.5/4.0	F	IBM x3755 Dell PE R900 HP DL380 G5

Sun Fire X64 AMD Servers

System	Max Socket	Processor Type	Memory	Max Memory	Internal Disks	PCI I/O	On-Board Ethernet	Rack Units	Notes	OS Support	Cat	Competition
X2200 M2 A85 : Taurus	2X AMD (4 cores)	Quad: 2.3(2376); 2.7(2384); 2.9(2389)	16 DIMM slots (2/4) DDR2	64GB	2X 250/500/750/1000(7.2K)GB SATA or 2X146/300(15K)GB SAS 750GB disk LOD: 11/6/09	2 PCI-E-x8	4 GigE	1U	On-board VGA; Note #1	Sol 10 6/06, Open Solaris, RHEL 3/4/5, SLES 9/10, Ubuntu 8, Win2003/2008, Vmware 3.5/4.0	F	IBM x3455 HP DL165 G5p
X4100 M2 A86 : Galaxy 1Ue LOD: 11/6/09	2X AMD (4 cores)	Quad: 2.3(2356)	8 DIMM slots (2/4) DDR2	32GB	2X 73(10/15K)/146(10K)GB SAS w/DVD 4X 73(10/15K)/146(10K)GB SAS w/o DVD 73 (10K) & 146(10K) disks LOD: 11/6/09	2 PCI-E-x8	4 GigE	1U	On-board VGA; Note #2	Sol 10 6/06, Open Solaris, RHEL 3/4/5, SLES 9/10, Ubuntu 6/7/8, Win2003/2008, Vmware 3.5	F	IBM x3455 HP DL365 G5
X4140 B12 : Dorado 1	2X AMD (4/6 cores)	Quad: 2.3(2376HE); 2.5(2380); 2.7(2384); 2.9(2389) LOD: 10/23/09 Six: 2.16(2425HE); 2.2(2427); 2.4(2431); 2.6(2435)	16 DIMM slots (2/4/8) DDR2	128GB	8X 73(15K)/146(10K)/300(10K)GB SAS up to 4X 3.2GB SDD 73GB disk LOD: 11/6/09	PCI-E 1-x16; 2-x8	4 GigE	1U	On-board VGA; Note #1, #3, #8	Sol 10 8/07, Open Solaris, RHEL 4/5, SLES 10/11, Win2003/2008, Vmware 3.5/4.0	F	IBM x3455 Dell PE R805 HP DL365 G5
X4240 B14 : Dorado 2	2X AMD (4/6 cores)	Quad: 2.3(2376HE); 2.5(2380); 2.7(2384); 2.9(2389) LOD: 10/23/09 Six: 2.16(2425HE); 2.2(2427); 2.4(2431); 2.6(2435); 2.86(2439SE)	16 DIMM (2/4/8) DDR2	128GB	16X 73(15K)/146(10K)/300(10K)GB SAS up to 8X 32GB SSD 73GB disk LOD: 11/6/09	PCI-E 1-x16; 4-x8; 1-x4	4 GigE	2U	On-board VGA; Note #1, #3, #4, #8	Sol 10 8/07, Open Solaris, RHEL 4/5, SLES 10/11, Win2003/2008, Vmware 3.5/4.0	F	IBM x3655 Dell PE R805 HP DL385 G5p
X4440 B16 : Tucana	4X AMD (4/6 cores)	Quad: 2.3(8376HE); 2.5(8380); 2.7(8384); 2.9(8389) LOD: 10/23/09 Six: 2.1(8425SE); 2.4(8431); 2.6(8435); 2.8(8439SE)	32 DIMM slots (2/4/8) DDR2	256GB	8X 73(15K)/146(10K)/300(10K)GB SAS up to 4X 32GB SSD 73GB disk LOD: 11/6/09	PCI-E 1-x16; 4-x8; 1-x4	4 GigE	2U	On-board VGA; Note #1, #5, #9	Sol 10 8/07, Open Solaris, RHEL 4/5, SLES 10, Win2003/2008, Vmware 3.5/4.0	F	IBM x3755 Dell PE R905 HP DL585 G5
X4540 B24 : Thor	2X AMD (4/6 cores)	Quad: 2.3(2356); 2.7(2384) Six: 2.6(2435) 2384 LOD: 11/6/09	16 DIMM slots (2/4) DDR2	64GB	48X 250/500/1000(7.2K)GB SATA Compact Flash boot slot 32GB SSD GA: 9/30/09	3 PCI-E-x8	4 GigE	4U	On-board VGA	Sol 10 5/08, Open Solaris, RHEL 4/5, SLES 10/11, Win2003/2008	F	
X4600 M2 A67 : Galaxy 4F	8X AMD (4 cores)	Quad: 2.3(8376HE) 2.5(8380); 2.7(8384); 2.9(8389)	32 DIMM slots with 4-DIMM processor boards 84 DIMM slots max with 8-DIMM processor boards DDR2 (2/4/8)	256/512GB 2GB DIMM LOD: 11/20/09	4X 73(15K)/146(10K)/300(10K)GB SAS 73GB & 146GB disk LOD: 11/6/09	PCI-E 4-x8; 2-x4 (2) PCI-X	4 GigE	4U	On-board VGA; Note #6, #7	Sol 10 6/06, Open Solaris, RHEL 3/4/5, SLES 9/10, Win2003/2008, Vmware 3.5/4.0	F	IBM x3755 Dell PE R905 HP DL785 G5

Note #1: One PCI-E slot is occupied by a SAS controller card for internal HDD's.
 Note #2: "2 disk drives with DVD-ROM" and "4 disk drives without DVD-ROM" use different chassis. The different chassis cannot be converted to the other.
 Note #3: An HT Bridge Card is required for any AMD Opteron Quad-Core processor being installed.
 Note #4: The new B14-AB XATO Base Chassis is required when using the 2360 SE processor due to increased cooling needs.

Note #5: The new B16-AB XATO Base Chassis is required when using the 8360 SE processor due to increased cooling needs.
 Note #6: 2.8GHz processor board is available in (4) DIMM and (8) DIMM models. Mixing (4) DIMM and (8) DIMM processor boards is not currently supported.
 Note #7: The (8) DIMM processor board requires that the chassis is configured with (4) 950W power supplies.
 Note #8: New Istanbul processors (2425HE, 2427, 2431, 2435, 2439SE) require updated board assembly with cHT3 performance improvements on X4140, X4240.
 Note #9: New Istanbul processors (8425SE, 8431, 8435, 8439SE) require updated board assembly with cHT3 performance improvements on X4440.

Sun CoolThreads™ CMT Servers

System	Max Socket	Processor Type	Memory	Max Memory	Internal Disks	PCI I/O	On-Board Ethernet	Rack Units	Notes	OS Support	Cat	Competition
T1000 SEAP/T10 : Erie LOD: 10/23/2009	1X US-T1 (6/8 cores)	1.0 (6/8 cores)	8 DIMM slots (1/2/4) DDR2	32GB	2X 73(10K)/146(10K)GB SAS	1 PCI-E-x8	4 GigE	1U	Note #15	Solaris 10 1/06, Ubuntu 6/7, Gentoo 2006.1	F	IBM p5 505 Express IBM p5 505Q Express
T2000 SEBP/T20 : Ontario LOD: 10/23/2009	1X US-T1 (4/6/8 cores)	1.0 (4/6/8 cores) 1.2 (8 cores)	16 DIMM (1/2/4) DDR2	64GB	4X 73(10K)/146(10K)GB SAS 73GB & 146GB disk LOD: 11/6/09	3 PCI-E-x8, (2) PCI-X	4 GigE	2U	Note #16	Solaris 10 1/06, Ubuntu 7, Gentoo 2006.1	F	IBM p5 505 Express IBM p5 505Q Express
T5120 SECP : Huron 1U	1X US-T2 (4/6/8 cores)	1.2 (4/6/8 cores) 1.4 (8 cores) 1.6 (8 cores)	16 DIMM slots (1/2/4/8) FB-DIMM 1GB DIMM LOD: 10/23/09	128GB	8X 73(15K)/146(10K)/300GB SAS up to 4X 32GB SDD 73GB disk LOD: 11/6/09	PCI-E 1-x8, 2-x4	4 GigE	1U	Note #17, #18	Solaris 10 8/07, Ubuntu 7	F	IBM p5 505Q Express
T5220 SEDP : Huron 2U	1X US-T2 (4/6/8 cores)	1.2 (4/6/8 cores) 1.4 (8 cores) 1.6 (8 cores)	16 DIMM slots (1/2/4/8) FB-DIMM 1GB DIMM LOD: 10/23/09	128GB	16X 73(15K)/146(10K)/300GB SAS up to 8X 32GB SDD 73GB disk LOD: 11/6/09	PCI-E 2-x8, 4-x4	4 GigE	2U	Note #17, #19	Solaris 10 8/07, Ubuntu 7	F	IBM p5 510Q Express IBM p520 Express HP Integrity rx2660
T5140 SETP : Maramba 1U	2X US-T2+ (4/6/8 cores)	1.2 (4/6/8 cores) 1.4 (8 cores)	16 DIMM slots (1/2/4/8) FB-DIMM 1GB DIMM LOD: 10/23/09	128GB	8X 73(15K)/146(10K)/300GB SAS up to 4X 32GB SDD 73GB disk LOD: 11/6/09	3 PCI-E-x8	4 GigE	1U	Note #18, #20	Solaris 10 8/07	F	IBM P520 Express HP Integrity rx3600
T5240 SEUP : Maramba 2U	2X US-T2+ (4/6/8 cores)	1.2 (4/6/8 cores) 1.4 (8 cores) 1.6 (8 cores)	16/32 DIMM (1/2/4/8) FB-DIMM 1GB DIMM LOD: 10/23/09	128/256GB	16X 73(15K)/146(10K)/300GB SAS up to 8X 32GB SDD 73GB disk LOD: 11/6/09	6 PCI-E-x8	4 GigE	2U	Note #19, #21	Solaris 10 8/07	F	IBM P550 Express HP Integrity rx6600
T5440 SEVP : Batoka	4X US-T2+ (8 core)	1.2 (8 cores) 1.4 (8 cores) 1.6 (8 cores)	64 DIMM slots (2/4/8) FB-DIMM	512GB	4X 73(15K)/146(10K)/300GB SAS up to 4X 32GB SDD 73GB disk LOD: 11/6/09	8 PCI-E-x8	4 GigE	4U	Note #22	Solaris 10 8/07	F	IBM P560 Express HP Integrity rx6600

Sun SPARC Enterprise Servers

System	Max Socket	Processor Type	Memory	Max Memory	Internal Disks	PCI I/O	Power	Domains	Rack Units	Notes	OS Support	Cat	Competition
M3000 SEWP : Ikkaku	1X SPARC64 VII (2/4 cores)	VII: 2.52 (2/4 cores)	8 DIMM slots (1/2/4/8) DDR2	64GB	4X 146(10K)GB SAS, 300(10K)GB SAS RR & GA: 9/3/09	I/O Unit: 4-x8 PCI-E, 4X SAS HDD; 4X GigE, 1 SAS port No External I/O	N+1 = 2	No Domain	2U		Solaris 10 5/08	F	IBM P520 Express HP Integrity rx2660
M4000 SEEP : FF1	4X SPARC64 VI/VII (2/4 cores)	VI: 2.15 (2 cores) VII: 2.4 (4 cores)	32 DIMM slots (2/4) DDR2	128GB	2X 146(10K)/ 300(10K)GB SAS	I/O Unit: 4-x8 PCI-E; (1) PCI-X Max of (2) External I/O units (12 slots each)	N+1 = 2	2 Domain	6U		Solaris 10 11/06	F	IBM P550 Express HP Integrity rx6600
M5000 SEFP : FF2	8X SPARC64 VI/VII (2/4 cores)	VI: 2.15 (2 cores) VII: 2.4 (4 cores)	64 DIMM slots (2/4) DDR2	256GB	4X 146(10K)/ 300(10K)GB SAS	(2) I/O Unit: 4-x8 PCI-E, 1-PCI-X, 2X SAS HDD; 2X GigE Max of (4) External I/O units (12 slots each)	N+N = 4	4 Domains	10U		Solaris 10 11/06	F	IBM P560 /560Q HP Integrity rx7640
M8000 SEGA : DC1	16X SPARC64 VI/VII (2/4 cores)	VI: 2.28, 2.4 (2 cores) VII: 2.52 (4 cores)	128 DIMM (2/4/8) DDR2	1024GB	16X 146(10K)GB SAS	(4) I/O Unit: 8-x8 PCI-E, 4X SAS HDD Max of (8) External I/O units (12 slots each)	1-Phase or 3-Phase Delta (208V) or Star(415V); dual feed	16 Domains	Single Cabinet		Solaris 10 11/06	G	IBM Power 570 / 595 HP Integrity rx8640
M9000-32 SEHA : DC2	32X SPARC64 VI/VII (2/4 cores)	VI: 2.28, 2.4 (2 cores) VII: 2.52 (4 cores)	256 DIMM (2/4/8) DDR2	2048GB	32X 146(10K)GB SAS	(8) I/O Unit: 8-x8 PCI-E, 4X SAS HDD Max of (16) External I/O units (12 slots each)	1-Phase or 3-Phase Delta (208V) or Star(415V); dual feed	24 Domains	Single Cabinet		Solaris 10 11/06	G	IBM Power 595 HP Superdome
M9000-64 SEJA : DC3	64X SPARC64 VI/VII (2/4 cores)	VI: 2.28, 2.4 (2 cores) VII: 2.52 (4 cores)	512 DIMM (2/4/8) DDR2	4096GB	64X 146(10K)GB SAS	(16) I/O Unit: 8-x8 PCI-E, 4X SAS HDD Max of (16) External I/O units (12 slots)	1-Phase or 3-Phase Delta (208V) or Star(415V); dual feed	24 Domains	Dual Cabinets		Solaris 10 11/06	G	IBM Power 595 HP Superdome

Note #15: Memory must be installed 4 DIMMs at a time (with one pair on each controller).
 Note #16: Memory must be installed 8 DIMMs at a time (four memory kits at a time). Supported configs are 8 DIMM or 16 DIMM only.
 Note #17: All memory is populated 4 DIMMs at a time. There has to be a memory configuration of 4, 8, or 16 DIMMs (no 12 DIMM configs).
 Note #18: The T5120/T5140 is available with a 4 or 8 HDD backplane. XAUI card can be added to 2-x4 (T5120) or 2-x8 (T5140) PCI-E slots. 1 External I/O Boat is supported.
 Note #19: The T5220/T5240 is available with an 8 or 16 HDD backplane. XAUI card can be added to 2-x4 (T5220) or 2-x8 (T5240) PCI-E slots. 1 External I/O Boat per processor.
 Note #20: The only allowable DIMM configs are: 8, 12, or 16 DIMMs.
 Note #21: For T5240, customer must choose 16 or 32 DIMM slots. 32 DIMM slots require a Memory Mezzanine Kit. Mezzanine Kit also required for 1.5V FB-DIMMs.
 Note #22: For T5440, 1 external I/O Boat can be configured per processor. XAUI card can be added to 2-x8 PCI-E slots.

Desktop / Workstations

System	Max Socket	Processor Type	Memory	Max Memory	Internal Disks	PCI I/O	Graphics	USB Ports	Notes	OS Support	Cat	Competition
Ultra 24 B21 : Ursa LOD: 10/23/2009	1X Intel (2/4 cores)	Dual: 2.53(E7200); 3.0(E8400); 3.3(E8600); Quad: 2.3(Q8200); 2.8(Q9550); 3.0(Q9650)	4 DIMM slots (1/2) DDR2	8GB	4X 250/750/1000 (7.2K)GB SATA or 4X 146/300/450(15K)GB SAS 750GB disk LOD: 11/6/09	PCI-E 2-x16; 1-x8; 1-x1; (2) PCI	Note #10	6 USB 2FW		Sol10 8/07, RHEL 4/5, SUSE 9/10, Ubuntu 7/8, Win XP/Vista/2003	F	Dell T3400 HP xw4600
Ultra 27 B27 : Volans	1X Intel Nehalem (4 cores)	Quad: 2.66(3520); 2.93(3540); 3.2(3570); 3.3(W3580) 3570 LOD: 11/20/09	6 DIMM slots (1/2) DDR3	12GB	4X 500/1000GB (7.2K) SATA or 4X 300/450GB (15K) SAS 450GB disk LOD: 10/23/09	PCI-E2.0 2-x16; 1-x8 PCI-E 1-x8; 1-x1, (1) PCI	Note #11	8 USB 2FW		Sol10 10/08, RHEL 4/5, SUSE 10/11, Win Vista/2008	F	Dell T3500 HP xw6600

Sun Blade Modular Systems

Sun Blade 6048 B22 : Constellation 48	Sun Blade 6048 Modular System focused for HPC, this blade system is used in combination with the InfiniBand switch, Sun Datacenter Switch 3456 (Magnum). Delivers up to 48 blade (US-T1, US-T2, US-T2+, AMD, & Intel based) servers into a 42U rack with redundant modules that share I/O via passive mid-plane; 8 power supplies (1+1) with grid redundancy; 32 redundant (N+1) fans; 96 EM; 8 NEM. Total chassis supports up to 1152 cores and 12TB of memory											
Sun Blade 6000 A90 : Constellation	Sun Blade 6000 Modular System delivers up to 10 blade (US-T1, US-T2, US-T2+, AMD, & Intel based) servers into a 10U chassis with redundant modules that share I/O via passive mid-plane; 2 power supplies (N+N) with grid redundancy; 6 redundant (N+1) fans; 20 EM; 2 NEM.											

System	Max Socket	Processor Type	Memory	Max Memory	Internal Disks	PCI I/O	NEM / FEM	OS Support	Cat	Competition
T6320 A95 : Glendale	1X US-T2 (4/8 cores)	1.2 (4/8 cores); 1.4 (8 cores) 1.6 (8 cores)	16 DIMM slots (1/2/4/8) FB-DIMM 1GB LOD: 10/23/09	128GB	4X 73(15K)/146(10K)/300(10K)GB SAS up to 4X 32GB SSD 73GB disk LOD: 11/6/09	PCI-E 2-x8 EM; 2-x8 NEM	X4212A – X4607A REM X4236A – X4822A FEM, X4607A REM X4238A – X4835A FEM	Solaris 10 8/07	F	IBM BC JS43 HP BL860c/870c
T6340 T6340 : Scottsdale	2x US-T2+ (6/8 cores)	1.2 (6/8 cores); 1.4 (8 cores)	32 DIMM slots (1/2/4/8) 1GB LOD: 10/23/09	256GB	2X 73(10/15K)/146(10K)/300(10K)GB SAS up to 2X 32GB SDD	PCI-E 2-x8 EM; 2-x8 NEM	X4212A – X4607A REM X4236A – X1029A-Z FEM, X4607A REM X4238A – X4835A FEM	Solaris 10 5/08	F	IBM BC JS43 HP BL860c/870c
X6240 X6240 : Gemini+	2X AMD (4/6 cores)	Quad: 2.3(2356); 2.3(2376HE); 2.5(2380); 2.7(2384); 2.9(2389) LOD: 10/23/09 Six: 2.2(2427), 2.4(2431), 2.6(2435) Six core GA: 9/15/2009 Note #12	16 DIMM slots (2/4/8) DDR2 8GB DIMM GA: 9/11/09	128GB	4X 73(15K)/146(10K)/300(10K)GB SAS up to 4X 32GB SDD 16GB Compact Flash 73GB disk LOD: 11/6/09	PCI-E 2-x8 EM; 2-x8 NEM	X4212A – X4607A REM or X4620A REM X4236A – X4263A FEM	Sol10 5/08, Open Solaris, RHEL 4/5, SUSE 10, Win2003/2008, Vmware 3.5/4.0	F	IBM BC HS21 XM HP BL495c G5 Dell PE M605
X6250 A93 : Wolf	2X Intel (2/4 cores)	Dual: 3.5(X5270) Quad: 2.5(E5420); 2.66(L5430); 2.83(E5440); 3.0(E5450); 3.33(X5470)	16 DIMM slots (2/4) DDR2	64GB	4X 73(10/15K)/146(10K)/300(10K)GB SAS up to 4X 32GB SSD 16GB Compact Flash 73GB 15K disk LOD: 11/6/09	PCI-E 2-x8 EM; 2-x8 NEM	X4212A – X4620A REM X4236A – X1029A-Z FEM, X4620A REM X4238A – X4681A FEM, X4620A REM	Sol10 8/07, RHEL 4, SUSE 9/10, Win2003/ 2008, Vmware 3.5/4.0	F	IBM BC HS21 XM HP BL460c G5
X6270 X6270 : Virgo	2X Intel Nehalem (4 cores)	Quad: 2.26(L5520); 2.26(E5520); 2.53(E5540); 2.8(X5560); 2.93(X5570)	18 DIMM slots (2/4/8) DDR3	144GB	4X 73(15K)/146(10K)/300(10K)GB SAS up to 4X 32GB SSD 16GB Compact Flash 73GB disk LOD: 11/6/09	PCI-E 2-x8 EM; 2-x8 NEM	X4212A – X4620A REM or X4607A REM X4238A – X4620A/X4607A, X4263A FEM	Sol10 10/08, Open Solaris, RHEL 4/5, SUSE 10/11, Win2003/2008, Vmware 3.5/4.0	F	Cisco UCS B200 M1 IBM BC HS22 HP BL490c G6
X6275 X6275 : Vayu	4X Intel Nehalem (4 cores) Note #13	Quad: 2.26(L5520); 2.26(E5520); 2.53(E5540); 2.8(X5560); 2.93(X5570)	24 DIMM slots (2/4) DDR3	96GB	Diskless up to 2X 24GB Flash Module (one per node)	PCI-E 2-x8 EM; 2-x8 NEM	NEM/FEM for SB6048: X5500A – TBD	RHEL 4, SUSE 10/11, Win2008	F	Cisco UCS B250 M1 HP BL2x22c G5
X6440 X6440 : Pegasus+	4X AMD (4/6 cores)	Quad: 2.3(8376HE); 2.5(8380); 2.7(8384); 2.9(8389) LOD: 10/23/09 Six: 2.4(8431), 2.6(8435) Six core GA: 9/15/2009 Note #14	32 DIMM slot (2/4/8) DDR2 8GB DIMM GA: 9/11/09	256GB	No internal HDD 16GB Compact Flash	PCI-E 2-x8 EM; 2-x8 NEM	X4212A – X4620A REM or X4607A REM X4238A – X4263A FEM	Sol10 5/08, Open Solaris, RHEL 4/5, SUSE 10, Win2003/2008, Vmware 3.5/4.0	F	IBM BC LS42 HP BL685c G6 Dell PE M905
X6450 X6450 : Hercules2	4X Intel (4/6)	Quad: 2.13(L7445); 2.4(E7440) Six: 2.13(L7455); 2.4(E7450)	24 DIMM slots (2/4/8) FB-DIMM	192GB	No internal HDD up to 1X 32GB SDD 16/32GB Compact Flash	PCI-E 2-x8 EM; 2-x8 NEM	X4212A – X4620A/X4607A X4236A – 1029A-Z FEM, X4620A/X4607A REM X4238A – X4681A FEM	Sol10 8/07, RHEL 4, SUSE, Win2003/2008, Vmware 3.5/4.0	F	HP BL680c G5
SB6000 Disk Mod. B18-AA : Vela	-	-	-	-	8X 73(15K)/300(10K)GB SAS up to 5 storage modules per Blade Chassis up to 8X 32GB SSD 73GB disk LOD: 11/6/09	-	Connects to: X4212A NEM, X4236A NEM Each blade server module connects via REM or on-board SAS Controller	-	F	

Note #10: Ultra 24 supports NVIDIA Quadro NVS 290 (max 2), FX 370, 570, 1700, 3700 (max 2), FX 4600, 5600 (max 1)

Note #11: Ultra 27 supports NVIDIA Quadro FX 380, 1800, 3800 (max 2) or 5800 (max 1)

Note #12: New Istanbul processors (2427, 2431, 2435) and 8GB DIMM's requires new blade assembly with cHT3 performance improvements (X6240-AB) in X6240 Blade.

Note #13: The X6275 server module is comprised of 2 nodes, each node supports 2 sockets, 12 DIMM slots, 1 EM, and 1 NEM. Designed for HPC, it is supported in the SB 6048 only.

Note #14: New Istanbul processors (8431, 8435) requires new blade assembly with cHT3 performance improvements (X6440-AB) in X6440 Blade.

Sun Netra Carrier Grade Systems

System	Max Socket	Processor Type	Memory	Max Memory	Internal Disks	PCI I/O	On-Board Ethernet	Rack Units	Notes	OS Support	Cat	Competition
Netra X4200 M2 N87 : Draco	2X AMD (2/4 cores)	Dual: 2.2(2214HE) Quad: 1.8(23HF HE)	8 DIMM slots (2/4) DDR2	32GB	2X 146(10K)/300(10K)GB SAS w/ DVD or 4X 146(10K)/300(10K)GB SAS w/o DVD	1 PCI-E-x8 3 PCI-X	4 GigE	2U	NEBS L3 Certified	Solaris 10 11/06, RHEL 5, SUSE 10, Win2003	F	IBM x3650T HPQ cc3310 Intel TIGI2U/TIGW1U
Netra X4250 AC/DC NX425 : Aries	2X Intel (4 cores)	Quad: 2.13(L5408)	16 DIMM slots (2/4) FB-DIMM	64GB	2X 146(10K)/300(10K)GB SAS w/ DVD or 4X 146(10K)/300(10K)GB SAS w/o DVD	4 PCI-E 2-x8; 2-x4 2 PCI-X	4 GigE	2U	NEBS L3 Certified Note #23	Solaris 10 8/07, RHEL 4/5, SUSE 9/10, Win2003, Vmware 3.0/3.5	F	IBM x3650T HPQ cc3310 Intel TIGI2U/TIGW1U
Netra X4450 AC/DC NX445 : Argo	4X Intel (4 cores)	Quad: 2.4(E7338)	32 DIMM slots (2/4) FB-DIMM	128GB	12X 146(10K)/300(10K)GB SAS	8 PCI-E 5-x8; 3-x4 2 PCI-X	4 GigE	4U	NEBS L3 Certified Note #23	Solaris 10 8/07, RHEL 5, SUSE 9/10, Win2003, Vmware 3.0/3.5	F	HP cx2620
Netra T2000 AC/DC N20 : Pelton	1X US-T1 (4/6/8 cores)	1.0 (4/6 cores) 1.2 (8 cores)	16 DIMM slots (1/2/4) DDR2	64GB	2X 146/300(10K)GB SAS w/DVD or 4X 146/300(10K)GB SAS w/o DVD	1 PCI-E x8 3 PCI-X	4 GigE	2U	NEBS L3 Certified	Solaris 10 06/06	F	
Netra T5220 AC/DC NT52 : Turgo	1X US-T2 (4/8 cores)	1.2 (4/8 cores)	16 DIMM slots (2/4) FB-DIMM	64GB	2X 146(10K)/300(10K)GB SAS w/ DVD or 4X 146(10K)/300(10K)GB SAS w/o DVD	4 PCI-E 2-x8; 2-x4 2 PCI-X	4 GigE	2U	NEBS L3 Certified	Solaris 10 8/07	F	HP cx2620
Netra T5440 AC/DC NT54 : Congo	2X US-T2+ (4/6/8 cores)	1.2 (4/6/8 cores) 1.4 (8 cores)	32 DIMM slots (2/4) FB-DIMM	128GB	12X 146(10K)/300(10K)GB SAS	8 PCI-E x8 2 PCI-X	4 GigE	4U	NEBS L3 Certified Note #24	Solaris 10 8/07	F	HP cx2620
Netra 1290 AC/DC N80 : Everglades LOD: 10/14/09	12X USIV+ (2 cores)	1.5 (2 cores)	96 DIMM slots (5/1/2) 7ns SDRAM	192GB	2X 146/300(15K)GB SCSI Disk LOD: 10/14/09	6 PCI	2 GigE	12U	NEBS L3 Certified	Solaris 9 9/05 Solaris 10 1/06	F	

Sun Netra Carrier Grade Blade Systems

System	Max Socket	Processor Type	Memory	Max Memory	Internal Disks	External I/O	Internal I/O	OS Support	Cat	Competition
Netra ct900 N62 : Formula 1	The Netra CT900 ATCA server provides OEM designers with carrier-grade, standards-based, high-availability solutions built on the PCI Industrial Computer Manufacturer s Group (PICMG) 3.0 Revision 2.0 Advanced Telecom Computing Architecture Specification (ATCA). This high-capacity platform features twelve node board slots plus dual switch slots for a redundant infrastructure (switch, management, power, and cooling), making it ideal for carrier-grade telecom and Internet applications. Beyond its high-availability features, the Netra CT 900 server is highly modular, scalable, and serviceable.									
Netra CP3140 ATCA GigE Switch Blade	The Netra CP3140 is an enterprise class switch in an ATCA form-factor. The Netra CT 900 can not function without a switch, as it connects all the blades together. The switch provides 48 total GigE channels split into 2 fabric networks: Base and Extended. The 2 networks are managed independently and have their own dedicated management processor and memory. This switch satisfies the telecommunications network requirement of separating the control/management and data/user networks.									
Netra CP3240 ATCA 10GE Switch Blade	The Netra CP3240 is the follow on 10GE capable switch to the CP3140 GigE switch. The CP3240 is a plug in upgrade for customers who need 10GE bandwidth or simply want to future proof their ATCA deployments. The 10GE switch provides sufficient bandwidth for Dataplane applications and can consolidate multiple applications into a single ATCA chassis.									
Netra CP3020 CP3020 : Andretti	1X AMD (1/2 cores)	Single: 2.2(148HE) LOD: 9/30/09 Dual: 1.8(165HE)	4 DIMM slots (1/2) DDR1	8GB	2X 73(10K)GB SAS 2GB Compact Flash Option	2X PMC I/O slots with PIM support	4X GigE channels: 2 Channels for Base Fabric and 2 Channels for Extended fabric. 2X RS-232 Serial ports routed to the front and rear	Solaris 10, MontaVista Linux	F	
Netra CP3060 CP3060 : Montoya	1X US-T1 (4/6/8 cores)	1.0 (4 cores) LOD: 9/30/09 1.0 (6/8 cores)	8 DIMM slots (1/2) VLP DDR2	16GB	1X 80GB AMC Disk 8GB Compact Flash Option	1X AMC expansion slot PCI-E x8 routed to RTM	4X GigE channels: 2 Channels for Base Fabric and 2 Channels for Extended fabric 2X RS-232 Serial ports routed to the front and rear	Solaris 10	F	
Netra CP3220 CP3220 : Alonso	1X AMD (2/4 cores)	Dual: 2.2(1214HE) LOD: 9/30/09 Quad: 1.8(OE13HFFML4BGHE)	8 DIMM slots (2/4) VLP DDR2	32GB	2X 146(10K)GB SAS 2GB Compact Flash Option	1X AMC I/O slot 1X ARTM I/O slot 10GB XAUI PCI-E x8	4X GigE channels: 2 Channels for Base Fabric and 2 Channels for Extended fabric 2X RS-232 Serial ports routed to the front and rear	Solaris 10, Linux, Win2003, Vmware 3.5	F	
Netra CP3250 CP3250 : Kimi	2X Intel (4 cores)	Quad: 2.13(L5408)	6 DIMM slots (2/4) VLP DDR2	24GB	2X 146GB SAS via ARTM 16GB Compact Flash Option	1X AMC I/O slot 1X ARTM I/O slot	4X GigE channels: 2 Channels for Base Fabric and 2 Channels for Extended fabric 2X RS-232 Serial ports routed to the front and rear	Solaris 10, Linux, Win2003, Vmware 3.5	F	
Netra CP3260 CP3260 : Monza	1X US-T2 (6/8 cores)	1.17 (6/8 cores)	8 DIMM slots (1/2/4) FB-DIMM	32GB	2X146GB SAS via ARTM 16GB Compact Flash Option	1X ARTM I/O slot	8X GigE channels: 2 for Base Fabric, 2 for Extended fabric, 3 for Zone 3, 1 for Front Panel 2X RS-232 Serial ports routed to the front and rear	Solaris 10	H	

Note #23: One of the x4 PCI-E slots is dedicated for the SAS HBA.
Note #24: 16 FBDIMM slots on motherboard. 16 FBDIMM slots via memory mezzanine.

Any feedback, comments, or corrections can be sent to feedback_hwglance@sun.com