



Wildcat Server Program

Tested Hardware & Operating System List

Model A2210

Document Revision History		
Date	Revision #	Modifications
August 20, 2004	1.5	Added additional supported memory modules. Revised memory support.
June 27, 2004	1.4	Added additional supported memory modules. Added revision-CG processor support including 2.4GHz. DDR400 support update.
May 7, 2004	1.3	Added RedHat 3.0, made some general corrections, and modified document format.
January 12, 2004	1.2	Reformatted, and made general corrections and updates.
September 24, 2003	1.1	Corrections regarding nomenclature and warranty disclaimer
June 06, 2003	1.0	



Validated Server Program

Disclaimers

This document provides VSP customers and resellers information on what hardware and operating systems have been verified on the Model A2210 server platform.

This document is provided as a source of information to customers and resellers to ensure a positive user experience with the Model A2210 server platform. To aid in reliable operation, the platforms should be used in conjunction with the list of tested hardware and operating systems provided.

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Operating System Compatibility

Operating systems verified on the Server Model A2210.

Operating Systems

Manufacturer	Operating System	Description
Microsoft	Windows 2000 Advanced Server	SP4
Microsoft	Windows 2003 Advanced Server	RTM
RedHat	Red Hat Linux 9.0	32-bit
RedHat	RedHat Enterprise Linux WS 3.0 AMD 64bit	64 bit AMD Enterprise Linux
Suse	Suse 64 CLES-8-x86	RC7
Suse	Suse Enterprise Server 8.0 for AMD64	AMD64

Manufacturer	Software	Description
OSA	OSA Server Management 2.0	Build 530
OSA	OSA Server Management 3.0	RC3 for Windows
OSA	OSA Server Management 3.0	RC1 for Linux

Microsoft® Certification

Server	CPU	Description	Designed for Microsoft Windows® 2000	Designed for Microsoft Windows® 2003
A2210 - IDE	Opteron™ 244	1U, 2P Server, IDE Drives	Yes	Yes
A2210 - IDE	Opteron™ 248	1U, 2P Server, IDE Drives	Yes	Yes
A2210 - SCSI	Opteron™ 244	1U, 2P Server, SCSI Drives	Yes	Yes
A2210 - SCSI	Opteron™ 248	1U, 2P Server, SCSI Drives	Yes	Yes

Visit <http://www.microsoft.com/windows/catalog/server/> for most recent status information.

Processors

The following AMD Opteron™ processors were validated on the A2210 Platform

Processors

Manufacturer	Model	Description
AMD	OSA240CCO5AH	AMD Opteron 240 1.4GHz Rev-B3 Processor
AMD	OSA240CEP5AL	AMD Opteron 240 1.4GHz Rev-CO Processor
AMD	OSA240CEP5AU	AMD Opteron 240 1.4GHz Rev-CG Processor
AMD	OSA242CCO5AH	AMD Opteron 242 1.6GHz Rev-B3 Processor
AMD	OSA242CEP5AL	AMD Opteron 242 1.6GHz Rev-CO Processor
AMD	OSA242CEP5AU	AMD Opteron 242 1.6GHz Rev-CG Processor
AMD	OSA244CCO5AH	AMD Opteron 244 1.8GHz Rev-B3 Processor
AMD	OSA244CEP5AL	AMD Opteron 244 1.8GHz Rev-CO Processor
AMD	OSA244CEP5AU	AMD Opteron 244 1.8GHz Rev-CG Processor
AMD	OSA246CEP5AL	AMD Opteron 246 2.0GHz Rev-CO Processor
AMD	OSA246CEP5AU	AMD Opteron 246 2.0GHz Rev-CG Processor
AMD	OSA248CEP5AL	AMD Opteron 248 2.2GHz Rev-CO Processor
AMD	OSA248CEP5AU	AMD Opteron 248 2.2GHz Rev-CG Processor
AMD	OSA250CEP5AU	AMD Opteron 250 2.4GHz Rev-CG Processor



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Memory

The following memory modules were verified on the Server Model A2210. AMD Opteron processors require registered ECC DDR modules.

Memory Modules		
DDR266 ECC Registered DRAM		
Manufacturer	Model	Description
Avant Technology	AVM7256R83C5266K1-A	DDR266 2GB ECC Registered DIMM
Celestica	91DD910000X	DDR266 1GB ECC Registered DIMM
Infineon	HYS72D32300GBR-7-B	DDR266 256MB ECC Registered DIMM
Infineon	HYS72D64300GBR-7-B	DDR266 512MB ECC Registered DIMM
Infineon	HYS72D64320GBR-7-B	DDR266 512MB ECC Registered DIMM
Infineon	HYS72D128320GBR-7-B	DDR266 1GB ECC Registered DIMM
Infineon	HYS72D256520GR-7-A	DDR266 2GB ECC Registered DIMM
Kingston	KVR266X72RC25L/256	DDR266 256MB ECC Registered DIMM
Kingston	KVR266X72RC25L/512	DDR266 512MB ECC Registered DIMM
Kingston	KVR266X72RC25L/1G	DDR266 1GB ECC Registered DIMM
Legend	L6472YC5-PPASDD5D	DDR266 512MB ECC Registered DIMM
Micron	MT9VDDT3272G-265B1	DDR266 256MB ECC Registered DIMM
Micron	MT18VDDT6472DG-265B2	DDR266 512MB ECC Registered DIMM
Samsung	M312L3223DT0-CB0	DDR266 256MB ECC Registered DIMM
Samsung	M312L6420DT0-CB0	DDR266 512MB ECC Registered DIMM
Samsung	M312L6423DT0-CB0	DDR266 512MB ECC Registered DIMM
Samsung	M312L2920DT0-CB0	DDR266 1GB ECC Registered DIMM
Samsung	M312L5628DT0-CB0	DDR266 2GB ECC Registered DIMM
DDR333 ECC Registered DRAM		
ATP Electronics	AB64L72Q8S8B3S	DDR333 512MB ECC Registered DIMM
ATP Electronics	AB28L72Q8SHB3S	DDR333 1GB ECC Registered DIMM
Avant Technology	AVM7228R53C5333K0-A	DDR333 1GB ECC Registered DIMM
Avant Technology	AVM7228R82C5333K1-A	DDR333 1GB ECC Registered DIMM
Avant Technology	AVM7256R83C5333K1-A	DDR333 2GB ECC Registered DIMM
Buffalo	DD333L-R1G/SB	DDR333 1GB ECC Registered DIMM
Celestica	00270513 1 GB DD91	DDR333 1GB ECC Registered DIMM
Dataram	DTM63707A	DDR333 2GB ECC Registered DIMM
Infineon	HYS72D32300GBR-6-B	DDR333 256MB ECC Registered DIMM
Infineon	HYS72D64300GBR-6-B	DDR333 512MB ECC Registered DIMM
Infineon	HYS72D128320GBR-6-B	DDR333 1GB ECC Registered DIMM
Legend	L2572YC6-PPXSDM5B	DDR333 2GB ECC Registered DIMM
Micron	MT9VDDF1672G-335B1	DDR333 128MB ECC Registered DIMM
Micron	MT9VDDF3272G-335C1	DDR333 256MB ECC Registered DIMM
Micron	MT9VDDF3272G-335C2	DDR333 256MB ECC Registered DIMM
Micron	MT18VDDF6472G-335C2	DDR333 512MB ECC Registered DIMM
Micron	MT36VDDF12872G-335C3	DDR333 1GB ECC Registered DIMM
Samsung	M312L3223DG0-CB3	DDR333 256MB ECC Registered DIMM
Samsung	M312L3223DT0-CB3	DDR333 256MB ECC Registered DIMM
Samsung	M312L3223EG0-CB3	DDR333 256MB ECC Registered DIMM
Samsung	M312L6420DG0-CB3	DDR333 512MB ECC Registered DIMM
Samsung	M312L6420EG0-CB3	DDR333 512MB ECC Registered DIMM
Samsung	M312L6423DG0-CB3	DDR333 512MB ECC Registered DIMM
Samsung	M312L6423DT0-CB3	DDR333 512MB ECC Registered DIMM
Samsung	M312L6423EG0-CB3	DDR333 512MB ECC Registered DIMM
Samsung	M312L2820DG0-CB3	DDR333 1GB ECC Registered DIMM
Simpletech	90000-21047-231	DDR333 256MB ECC Registered DIMM
Simpletech	90000-21047-232	DDR333 512MB ECC Registered DIMM
Smart	SM572328FD8E6CL	DDR333 256MB ECC Registered DIMM
Smart	SM572648FD8E6CL	DDR333 512MB ECC Registered DIMM
Viking	VI4CR647224DTKN1	DDR333 512MB ECC Registered DIMM



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Peripherals

The following hardware peripherals verified on the Server Model A2210. Driver versions are noted when the default OS drivers were not used.

Video			Drivers			
Manufacturer	Model	Description	Windows	Suse32	Suse64	RedHat
ATI	Rage XL 128MB	Rage XL	5.13.3279 Pass		Pass	

Keyboards		
Manufacturer	Model	Description
Belkin	F8E206	PS/2 and AT Classic Keyboard
Microsoft	X04-86289	USB Internet Keyboard Pro
Ortek	MCK-600W	PS/2 and AT Keyboard

Mouse		
Manufacturer	Model	Description
Kensington	72116	USB Pocket Mouse Pro with Retractable Cord
Logitech	M-BD58	USB & PS2 Optical Wheel Mouse
Logitech	M-BL63B	USB & PS2 Optical Wheel Mouse
Microsoft	X08-3881	USB Receiver Wireless Intellimouse
Microsoft	X08-70387	USB & PS2 Intellimouse Explorer 3.0 Optical Wheel
Microsoft	X08-70385	USB & PS2 Intellimouse Optical Wheel

Network Adapters			Drivers			
Manufacturer	Model	Description	Windows	Suse32	Suse64	RedHat
3Com	3C905C-TXNM	PCI 10/100 NIC			Pass	
3Com	3C980C-TXM	PCI 10/100 Server NIC	3.48.0.0 Pass	Pass	Pass	
3Com	3C982-TXM	PCI Dual Port 10/100	3.48.0.0 Pass	Pass		
3Com	3C996B-T	PCI-X Copper Gb Enet	3.30.0.0 Pass	Pass	Pass	Pass
3Com	3C996-SX	PCI-X MM Fiber Gb Enet	6.34.0.0 Pass		Pass	
3Com/Marvell	88E8000	PCI Copper Gb Enet	6.7.0.0 Pass			
3Com/Marvell	940-MV00-BGA	Matterhorn Gb NIC (Yukon)	1.0.0.28 Pass			
Adaptec	ANA-62044	PCI-X 10/100 4-port	6.34.0.0 Pass			
Adaptec	ANA-62022	PCI-X 10/100 2-port	5.4.2.0 Pass			
Alacritech	1702	PCI-64 Copper Gb 1000 x 1	5.50.0.0 Pass			
Alacritech	3502	PCI-64 Fiber Gb 1000 x 1	5.50.0.0 Pass			
Allied Telesyn	AT-2930T	PCI-64 Copper Gb Enet	2.93.0.0 Pass			
Allied Telesyn	AT-2970T	PCI-64 Gb Ethernet	3.5.0.0 Pass			
BroadCom	BCM5704	On Motherboard Dual Port Copper Gb Enet	3.30.0.0 Pass			



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Network Adapters (Continued)			Drivers			
Manufacturer	Model	Description	Windows	Suse32	Suse64	RedHat
Compaq	NC3131	PCI-64 10/100 Enet 2-Port	5.0.2195.3649 Pass			
Compaq	NC3134	PCI-64 10/100 Enet 2-Port	5.0.2195.3649 Pass			
Compaq	NC6134	PCI-64 MM Fiber Gb Enet	5.0.2195.3649 Pass			
Intel	Pro/1000	PCI Server MM Fiber Gb	1.31.0.96 Pass			
Intel	Pro/1000 MF	PCI-X MM Fiber Gb Enet	7.0.36.0 Pass			
Intel	Pro/1000 XT	PCI-X Copper Gb Enet	7.0.36.0 Pass			
Intel	Pro/100s	PCI-64 Dual Port 10/100	7.0.26.0 Pass			
Interphase	554E	PCI 4-port 10/100 Enet	5.5.0.0 Pass			
Interphase	5570	PCI-X Fiber Gb Enet and Fiber Channel	1.16.2.0 Pass			
SysKonnect	SK-5821	PCI-64 Copper RJ45 FDDI	5.9.0.0 Pass			
SysKonnect	SK-5822	PCI-64 Copper DAS RJ-45 FDDI	5.9.0.0 Pass			
SysKonnect	SK-9821	PCI-64 Copper Gb Enet	6.7.0.0 Pass			
SysKonnect	SK-9844 SX	PCI-X Fiber Gb 2-port Enet	1.18.0.0 Pass			

USB Network Adapters		
Manufacturer	Model	Description
Belkin	F5U111	USB 10Base-T Ethernet
D-Link	DSB-650	USB 10Base-T Ethernet
Linksys	USB100M	USB 10/100 Ethernet

Network Switches		
Manufacturer	Model	Description
Extreme Networks	Summit 7i	Managed Gigabit Ethernet Switch
Extreme Networks	Summit 1i	Managed Gigabit Ethernet Switch
Vixel	7200	Fiber Channel Switch
NetGear	GS508T 10/100/1000	Gigabit Switch
NetGear	GS524 10/100/1000	Gigabit Switch

USB Hubs		
Manufacturer	Model	Description
Belkin	F5U010	USB 2.0 Hub 7 Ports
Belkin	F5U101	USB 2.0 Hub 4 Ports
D-Link	DUB-H4	USB 2.0 Hub 4 Ports
D-Link	DSB-H7	USB 1.1 Hub 7 Ports
Orange Micro	70USB90030	USB 2.0 Hub 4 Ports



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Storage

The following tables contain a complete list of all storage related peripherals that were configured for the Server Model A2210. The driver versions are noted when the default OS drivers were not used.

Storage Controllers			Drivers			
Manufacturer	Model	Description	Windows	Suse32	Suse64	RedHat
Adaptec	AFC-9210LPC	PCI-64 Fibre Ch 2G HBA	2.0.12.19 Pass			
Adaptec	AFC-9110g	PCI-64 Fibre Ch HBA	2.0.12.29 Pass			
Adaptec	AHA-2940UW Pro	PCI Ultra-Wide SCSI	5.0.2183.1 Pass			
Adaptec	2100S	PCI Ultra160 RAID	5.3.0.2 Pass			
Adaptec	2110S	PCI-64 Ultra160 RAID	5.3.0.2 Pass			
Adaptec	3200S	PCI-64 Ultra160 RAID, 2 Channel	5.3.0.0 Pass			
Adaptec	3410s	PCI-64 Ultra160 RAID, 4 Channel	5.3.0.2 Pass	1.62 Pass		
Adaptec	5400	PCI-64 Ultra160 RAID, 4 Channel Enterprise	1.0.0.5259 Pass			
Adaptec	29160	PCI-64 Ultra160 SCSI	5.0.2183.1 Pass			
Adaptec	39160	PCI-64 Ultra160 SCSI, 2 channel	5.0.2183.1 Pass			
Adaptec	39320D-R	PCI-X Ultra320 2 Channel	v1.10 Pass			
Compaq	Smart Array 5300	PCI-64 Ultra160 RAID, 4 Channel	5.40.2.0 Pass			
Compaq	Smart Array 5312	PCI-64 Ultra160 RAID, 2 Channel	5.40.2.0 Pass			
Compaq	Smart Array 532	PCI-64 Ultra160 RAID, 2 Channel	5.40.2.0 Pass			
Compaq	Smart Array 642	PCI-X Ultra320 RAID, 2 Channel	5.42.2.32 Pass			
Connectcom	CSB-FC1000	PCI-64 Fibre Ch HBA	1.9.2.0 Pass			
Emulex	LP9802	PCI-X Fibre Ch HBA	5.2.20.12 Pass			
Intel	SRCU32	PCI-64 Ultra160 RAID, 2 Channel	5.3.1.1 Pass			
Interphase	552C	PCI-64 Dual Ultra2 SCSI, Dual 10/100 Enet	5.0.2183.1 Pass			
Interphase	553C	PCI-64 Dual Ultra160 SCSI, Dual 10/100 Enet	5.9.0.0 Pass			
JNI	FCX-6562-N	PCI-X Fiber Channel HBA	v5.1 Pass			
JNI	FCX2-6562-N	PCI-X Fiber Channel HBA Dual-Port	v5.1 Pass			



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Storage Controllers (Continued)			Drivers			
Manufacturer	Model	Description	Windows	Suse32	Suse64	RedHat
LSI Logic	7202XP	PCI-X Fibre Channel HBA Dual-Port LC	1.9.2.0 Pass			
LSI Logic	Elite 1600	PCI-64 Ultra160 RAID, 2 Channel	5.39.0.0 Pass			
LSI Logic	Elite 1650	PCI-64 Ultra160 RAID, 2 Channel	5.39.0.0 Pass	Pass	Pass	Pass
LSI Logic	Enterprise 1500	PCI-64 Ultra2 RAID, 4 Channel		Pass	Pass	Pass
LSI Logic	Enterprise 1600	PCI-64 Ultra160 RAID, 4 Channel	5.39.0.0 Pass	Pass	Pass	Pass
LSI Logic	LSI21320	PCI-X Ultra320, 2 Ch	1.9.2.0 Pass			
LSI Logic	LSI22320-R	PCI-X Ultra320, 2 Ch	1.8.12.0. Pass			
LSI Logic	LSI44929H	PCI-64 Fiber Channel HBA Dual-Port Copper	1.9.2.0 Pass			
LSI Logic	MegaRAID 320-2	PCI-64 Ultra320 RAID, 2 Channel	5.33.0.0 Pass			
LSI Logic	MegaRAID 320-4X	PCI-X Ultra320 RAID, 4 Channel	5.39.0.0 Pass			
QLogic	QLA1080	PCI-64 Ultra2, 1 Ch	5.0.2183.1 Pass			
QLogic	QLA12160/66	PCI-64 Ultra320, 1 Ch	7.21.1.1 Pass			
QLogic	QLA1240	PCI-64 UltraWide SCSI 2 Channel	5.0.2183.1 Pass	1.26 Pass		
QLogic	QLA2200	PCI-64 Fibre Ch HBA		Pass	Pass	Pass
QLogic	QLA2310F	QLA2310F (Tall card)	8.1.5.13 Pass			
QLogic	QLA2310FL	QLA2310FL (low profile)	8.1.5.13 Pass			
QLogic	QLA2340	QLA2340	8.1.5.13 Pass			

Hard Drives		
Manufacturer	Model	Description
Hitachi	Deskstar 180GXP	ATA/100, 180GB, 7200 RPM, 8.5 ms Access Time
Maxtor	Diamond Max Plus 9, 200 GB	ATA, 200GB 7200 RPM, 8MB Cache, <9ms Access Time
Maxtor	Atlas 36 GB, 15K RPM	SCSI Ultra320, 36GB, 15K RPM, <3.8ms Access Time
Seagate	Cheetah X15 36 LP	SCSI Ultra320, 18GB, 15K RPM, 3.6ms Access Time
Seagate	Cheetah 10K.6	SCSI Ultra320, 147GB, 10K RPM, 4.7ms Access Time

DVD-ROM		
Manufacturer	Model	Description
Teac	DV-28E-B83	ATAPI, ATA-4, 8X DVD-ROM, 24X CD-ROM, Slimline
Panasonic	SR-8177B	ATAPI, IDE, 8X DVD-ROM, 24X CD-ROM, Slimline
Lite-on	LSC-24081	ATAPI, IDE, 8X DVD-ROM, 12/24X CD-RW, Slimline

Floppy Drives		
Manufacturer	Model	Description
Teac	FD-05HF-8630	1.44MB Slimline Floppy
Teac	FD-05HF-5630	1.44MB Slimline Floppy
NEC	FD1238H	1.44MB Slimline Floppy
Mitsumi	D353F3	1.44MB Slimline Floppy
Panasonic	JU-226A	1.44MB Slimline Floppy



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USB Storage		
Manufacturer	Model	Description
AceCom	HD030US2E	USB HDD 30GB
AceCom	HD060US2E	USB HDD 60GB
AceCom	HD080US2E	USB HDD 80GB
Buslink	L13/13GB	USB HDD 13GB
Imation	FD-05PUB	USB Floppy Drive
lomega	1PHDUSB2	USB HDD 20GB
lomega	CD650	USB CD-RW 4x4x6x
lomega	CDRW640EXT	USB CD-RW 16x10x40x
lomega	CDRW9602EXT-B	USB CD-RW 24x10x40x
lomega	Z100USB	USB Zip Drive 250MB
lomega	Z250USBPCM	USB Zip Drive 100MB
LaCie	U2A12	USB CD-RW 24x10x40x
Maxtor	VR120L0040101	USB HDD 120GB
Maxtor	X01USB2040	USB HDD 40GB
QPS Que!	QPS-525	USB HDD 40GB
Simple Technology	9000-40399-001	USB HDD 40GB
SmartDisk	USBFF05P	USB HDD 5GB
TDK	UE-401248	USB CD-RW 24x10x40x
Teac	FD-05PUB	USB Floppy Drive
Western Digital	WD400B05-RNN	USB HDD 40GB
Yamaha	CRW-70	USB CD-RW 12x8x24x
Yamaha	CRW-F1ZUX	USB CD-RW 44x24x44x

Storage Systems		
Manufacturer	Model	Description
AC&NC	Jetstor II - FC SAN array	Ultra2 (2 Ch) + Fiber Channel (1 Ch) SAN
Adaptec	FC Raidstation7 SCA	Fiber Channel JBOD Storage
Quantum	DLT VS80	Ultra2-Wide SCSI 40GB Tape Backup Storage