

Compatibility List for:
Adaptec Serial ATA II RAID 1430SA
Adaptec Serial ATA II RAID 1420SA
Adaptec Serial ATA II RAID 1220SA

This Compatibility Report reflects testing performed by Adaptec to test the interoperability of the products listed. It does not attempt to validate the quality of or preference for any of the listed products. It is also not an inclusive list and reflects a representative sample of products in each of the categories listed. All testing was done by the Adaptec Product Verification Group and the Adaptec InterOperability Test Lab.

Minimum testing for listed host systems consists of single and multiple RAID controller recognition, RAID controller BIOS interaction with host, and operating system bootability from each RAID controller from every compatible PCI, PCI-X, or PCIe slot. Systems that are capable of supporting more than 4GB and more than 8GB of memory are also tested in operating system environments that support such a configuration. Please note that some systems or motherboards may be listed multiple times if different system BIOS or CPU configurations were used.

Host Systems										
Manufacturer	Model	BIOS	Chipset	PCIe x4	PCIe x8	PCIe x16	PCI 64	PCI 32 (3.3v)	PCI 32 (5v)	CPU
Dell	PowerEdge 1800	BIOS Revision A03	Intel E7520	Yes	Yes	No	Yes	No	Yes	Xeon 3.60GHz
Dell	PowerEdge SC1420	1.1	Intel 5000v	Yes	Yes	No	Yes	Yes	No	Intel Xeon 3.2GHz
Dell	PowerEdge SC430	BIOS Revision A02	Intel E7230	Yes	Yes	No	No	No	Yes	Pentium D 2.8GHz
Dell	Precision 490	A02	5000X	No	Yes	Yes	Yes	No	Yes	Intel 5130 2Ghz
Dell	Precision 690	BIOS Revision A04	Intel 5000X	Yes	Yes	Yes	Yes	No	Yes	Dual-core 3.20 GHz 4MB L2 cache
Dell	Precision 670	BIOS Revision A07	Intel E7525	Yes	Yes	Yes	Yes	No	Yes	Dual-core 3.0 GHz 2MB L2 cache
HP	ML110 G3	AMI Build 07/27/05	Intel E7230	Yes	No	Yes	No	Yes	No	Intel Pentium CPU 3.00 Ghz
HP	ML110 G4	Phoenix Build 052206	Intel 3000	Yes	No	No	No	Yes	No	Intel Pentium CPU 3.40 Ghz
HP	ML370 G4	BIOS P50	Intel E7520	Yes	No	No	Yes	No	No	Xeon 3.60GHz
HP	xw4300	BIOS786D3 v01.05	Intel 955x express	No	Yes	Yes	No	No	Yes	Intel 3.40Ghz
HP	xw8200	786B8 v2.08	Intel E7525	Yes	No	Yes	Yes	No	No	Xeon 2.80GHz
Intel	D955XBK	BK95510J.86A.1452.2005.0430.1606	Intel 955	No	No	Yes	No	Yes	No	Intel P4 3.20 GHz
Intel	ICH7R MD6131RB	AIM BIOS 0.8.00.11	Intel 7230	No	Yes	Yes	No	Yes	No	Intel 3.20Ghz
Intel	SE7501HG2	AMI BIOS SE7501HG version 22.00	Intel E7501	No	No	No	Yes	No	Yes	Intel Xeon 2.80 GHz
Intel	SE7520BD2	AMI BIOS ver 08.20 Build 0072	Intel E7520	Yes	Yes	No	No	No	Yes	Xeon 3.0GHz
Intel	SE7525RP2	AMI P.04.00.0018	Intel E7525	Yes	No	Yes	Yes	No	Yes	Xeon 3.00GHz
Super Micro	H8DA8-2	1.0c	NVIDIA MCP55 pro	Yes	Yes	No	Yes	No	No	AMD dual core 2.4Ghz
Super Micro	H8DCE	AMI v08.00.12, 07/25/06, Rev 1.1b	NVIDIA nForce Pro 2200	Yes	No	Yes	No	No	Yes	AMD Opteron 240 1.4GHz
Super Micro	H8DCI	AMI BIOS ver8.00.12 Build 022706	AMD 8132 PCI-X Tunnel	Yes	No	Yes	Yes	No	Yes	DualCore Opteron 275
Super Micro	PDSM4	Phoenix Rev 1.1a	Intel E7230	Yes	No	No	Yes	Yes	No	Intel Pentium 2.80Ghz
Super Micro	X5DP8-G2	Phoenix BIOS 4.0 Release 6.0	Intel E7501	No	No	No	Yes	No	No	Xeon 2.40GHz

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Host Systems											
Manufacturer	Model	BIOS	Chipset	PCIe x4	PCIe x8	PCIe x16	PCI 64	PCI 32 (3.3v)	PCI 32 (5v)	CPU	
Super Micro	X6DA3-G2	Phoenix 2.0b	Intel E7525	Yes	No	Yes	Yes	No	Yes	Xeon 3.8GHz	
Super Micro	X6DA8-G2	Phoenix Rev 1.3a	Intel E7525	Yes	No	Yes	Yes	No	Yes	Xeon 3.00GHz	
Super Micro	X6DAT-G	Phoenix 2.0b	Intel E7525 Chipset	No	Yes	Yes	Yes	No	Yes	Intel XEON 2.8 GHz	
Super Micro	X6DH3-G2	Phoenix Rev 1.2a	Intel E7520	No	Yes	No	Yes	No	Yes	Intel Xeon 3.0GHz	
Super Micro	X6DH8-G2	Phoenix Rev 1.3a	Intel E7520	Yes	Yes	No	Yes	No	No	Xeon 3.40GHz	
Super Micro	X6DH8-XG2	Phoenix Rev 1.3a	Intel E7520	No	No	Yes	Yes	No	No	Xeon 3.40GHz	
Super Micro	X6DHE-G	Phoenix Rev 1.2a	Intel E7520	No	Yes	No	Yes	No	Yes	Xeon 2.80GHz	
Super Micro	X6DHE-G	Phoenix Rev 1.2a	Intel E7520	No	Yes	No	Yes	No	Yes	Xeon 2.80GHz	
Super Micro	X6DVL-EG2	Phoenix v2.53	Intel E7320	Yes	No	No	Yes	No	Yes	Intel Xeon 3 GHz	
Super Micro	X7DBE	Phoenix Rev. 1.1b	Intel 5000P	Yes	Yes	No	Yes	No	No	Xeon 3.2GHz (DualCore)	
Super Micro	X7DBI+	Phoenix BIOS 1.0	Intel 5000P	Yes	Yes	No	Yes	No	No	Dual Core Xeon 3.0GHz	
Super Micro	X7DVA-E	Phoenix Rev 1.3b	Intel 5000V	Yes	Yes	No	No	No	No	Xeon Dual core 3.73 Ghz	

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Minimum testing for listed hard drives consists of recognition on each RAID controller model and 24 hours of data integrity I/O stress load on each RAID Level under a variety of RAID states (optimal, suboptimal, degraded, compressed, expanded, and migrating). Please note that some drive models may be listed twice if more than one drive firmware revision was tested.

Hard Drives				
Type	Manufacturer	Model	FW Revision	Capacity
SATA-II	Fujitsu	MHT2040BH	0000003C	40GB
SATA	Fujitsu	MHV2080BH	28	80GB
SATA	Fujitsu	MHV2160BT	004F	160GB
SATA-II	Hitachi	HDS721010KLA330	GKAOA50F	1TB
SATA II	Hitachi	HDS721050KLA330	GK6OA70M	500GB
SATA II	Hitachi	HDS721075KLA330	GK8OA70M	750GB
SATA II	Hitachi	HDS721616PLA380	A70A	160GB
SATA-I	Hitachi	HDS722512VLSA80	v330, v360	120GB
SATA-I	Hitachi	HDS722516VLSA80	v340	160GB
SATA-I	Hitachi	HDS722525VLSA80	v360	250GB
SATA-I	Hitachi	HDS722580VLSA80	v320	80GB
SATA-I	Hitachi	HDS724040KLSA80	KFA4	400GB
SATA-II	Hitachi	HDS725050KLA360	K2A0	500GB
SATA-II	Hitachi	HDS728080PLA380	PF2OA65A	80GB
SATA-II	Hitachi	HDS728080PLA380	PF2OA6EA	80GB
SATA	Hitachi	HDT722516DLA380	A96A	160GB
SATA II	Hitachi	HDT725032VLA360	A52A	300GB
SATA II	Hitachi	HDT725050VLA360	V56O	500GB
SATA-II	Hitachi	HDT72525DLA380	V440A96A	250GB
SATA	Hitachi	HTE721010G9SA00	C10V	100GB
SATA	Hitachi	HTS541080G9SA00	MB40C60R	80GB
SATA-I	Maxtor	6B080M0	BANC1E00	80GB
SATA-I	Maxtor	6L080M0	BACE	80GB
SATA-II	Maxtor	6v080E0	VA111630	80GB
SATA-I	Maxtor	6Y080M0	YAR51EW0B	80GB
SATA-I	Maxtor	6Y120M0	YAR51EW0	80GB
SATA-II	Maxtor	7L250F0	G90	250GB
SATA-I	Maxtor	7L250S0	G90	250GB
SATA-II	Samsung	HD040GJ	WU10	40GB
SATA-II	Samsung	HD160JJ	WU10	160GB

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Hard Drives				
Type	Manufacturer	Model	FW Revision	Capacity
SATA II	Samsung	HD400LJ	ZZ10	400GB
SATA	Samsung	HM060II	YB10	60GB
SATA-I	Samsung	SP0812C	SU10	80GB
SATA-II	Samsung	SP2504C	VT100-48	250GB
SATA-I	Seagate	ST3120026AS	8.05	120GB
SATA-I	Seagate	ST3160023AS	3.01, 3.05	160GB
SATA-II	Seagate	ST3160212AS	3.AAE	160GB
SATA-I	Seagate	ST3160827AS	3.42	160GB
SATA II	Seagate	ST3250624NS	3.AEH	250GB
SATA II	Seagate	ST3250823NS	5.01	250GB
SATA-I	Seagate	ST330013AS	3.01	30GB
SATA II	Seagate	ST3400620NS	3.AEG	400GB
SATA II	Seagate	ST3400633NS	3.AEH	400GB
SATA-I	Seagate	ST3400832AS	3.01	400GB
SATA	Seagate	ST3400832NS	5.01	400GB
SATA II	Seagate	ST3400833AS	2.AAA,3.AA	400GB
SATA II	Seagate	ST3400833NS	3.AEH	400GB
SATA-II	Seagate	ST3500630NS	3.AEG	500GB
SATA II	Seagate	ST3500641AS	3.AA	500GB
SATA-II	Seagate	ST3500641NS	2.AE	500GB
SATA-II	Seagate	ST3500841N	3.AE	500GB
SATA	Seagate	ST3500841NS	H	465GB
SATA-II	Seagate	ST3750640NS	3.AEE	750GB
SATA	Seagate	ST3750640NS	3.AED	750GB
SATA-I	Seagate	ST380011AS	3.05	80GB
SATA-I	Seagate	ST380011AS	8.05	80GB
SATA-II	Seagate	ST3808110AS	3.AAE	80GB
SATA-I	Western Digital	WD1200JD	Y0.20	120GB
SATA-II	Western Digital	WD1600JS-23MHB0	03.01C03	160GB
SATA-I	Western Digital	WD2000JD	Y0.20	200GB
SATA-I	Western Digital	WD2500JD	Y02.0	250GB
SATA-II	Western Digital	WD2500JS	03.01C03	250GB
SATA II	Western Digital	WD2500JS-00MHB	02.01C03	250GB
SATA	Western Digital	WD2500YS-01S	6C03	233GB

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Hard Drives				
Type	Manufacturer	Model	FW Revision	Capacity
SATA-II	Western Digital	WD3200KS-00PFB	0M21	320GB
SATA-I	Western Digital	WD360GD	35.0, 37.0	36GB
SATA-I	Western Digital	WD400JD	Y13.0	40GB
SATA	Western Digital	WD5000AAKS-01TMA	2N11	500GB
SATA	Western Digital	WD5000YS	09.02E09	500GB
SATA I	Western Digital	WD740ADFD-00NL	20.07P20	74GB
SATA II	Western Digital	WD7500AYYS-01RCA0	30.04G30	750GB
SATA II	Western Digital	WD800BD-08MRA1	10.01E01	80GB
SATA-II	Western Digital	WDC1600JS	3.01	160GB
SATA-I	Western Digital	WDC800JD	6.01	80GB

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Minimum testing for listed drive enclosures consists of recognition on each RAID controller model and 24 hours of data integrity I/O stress load on each RAID Level under a variety of RAID states (optimal, suboptimal, degraded, compressed, expanded, and migrating). For enclosures that have a FW Revision associated with them, indicating an intelligent backplane, Activity and Fault LEDs on the enclosure are also tested.

Enclosures				
Type	Manufacturer	Model	FW Revision	# of Bays
SATA	AIC/Xtore	RMC-4Q-QUAD-8SSR	N/A	8
SAS/SATA	Chenbro	RM31212B	N/A	12
SAS/SATA	Chenbro	RM32216	N/A	16
SAS/SATA	Chenbro	RM41416B	N/A	16
SAS/SATA	Chenbro	RM41416B	N/A	16
SAS/SATA	Chenbro	SR20969	N/A	4
SAS/SATA	CI Design	SR316	N/A	16
SAS / SATA	CI Design	SR524	N/A	24
SAS/SATA	Promise	SuperSwap 4600	N/A	4
SAS/SATA	Super Micro	M34T	N/A	4
SAS/SATA	Super Micro	SC825TQ	3	8
SAS/SATA	Super Micro	SC825TQ	3	8
SAS/SATA	TST	ESR-316 (01-1210-01A)	N/A	16
SAS/SATA	TST	ESR-316 (01-1210-06A)	N/A	16

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PLEASE NOTE: All the tape devices listed below were tested with the 1220SA and are not supported by the 1420SA/1430SA family. Minimum testing for listed Non DASD consists of recognition on the controller model and 12-24 hours of data integrity I/O stress load on each device.

Drives					
Type	Manufacturer	Category	Model	FW Revision	Capacity
SATA	Plextor	DVD-RW	PX-755A	1.02	4.7GB
SATA	Quantum	Removable Drive	QR1201	0064	160GB
SATA	Quantum	Tape Drive	DLT-V4	0500	320GB
SATA	Quantum	Tape Drive	DAT72	1	72GB
SATA	Sony	Tape Drive	SDX-570V	0100	400GB
SATA	Sony	Tape Drive	SDX-570V	0101	400GB
SATA	Sony	Tape Drive	SDX-470V	101	400GB
SATA	Sont	Tape Drive	SDX-870V	0100	150/390GB

Note:

If you encounter problems with a certain system or device, check the manufacturer for the latest BIOS or microcode. Go to the Adaptec web site frequently for the latest updated list at <http://www.adaptec.com/compatibility>

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