

Compatibility List for: Adaptec 58300 Adaptec 48300 Adaptec 44300

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	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 SC1430	1.1.0	Intel 5000v	Yes	No	No	Yes	No	Yes	Xeon 3.4GHz	
Dell	PowerEdge SC430	A02	Intel E7230	Yes	Yes	No	No	No	Yes	Pentium D 2.8GHz	
Dell	PowerEdge SC830	A04	Intel 7320	No	Yes	No	Yes	No	Yes	Intel Pentium D 3.0Ghz	
Dell	Precision 490	A02	5000X	No	Yes	Yes	Yes	No	Yes	Intel 5130 2Ghz	
Dell	Precision 670	A07	Intel E7525	Yes	Yes	Yes	Yes	No	Yes	Dual-core 3.0 GHz 2MB L2 cache	
Dell	Precision 690	A01	Intel 5000X	Yes	Yes	Yes	Yes	No	Yes	Dual-core 3.20 GHz 4MB L2 cache	
HP	ML370 G4	BIOS P50	Intel E7520	Yes	No	No	Yes	No	No	Xeon 3.60GHz	
HP	ML370-G4	P.50	Intel E7520	Yes	Yes	No	Yes	No	No	Xeon 3.60	
HP	xw8200	786B8 v2.08	Intel E7525	Yes	No	Yes	Yes	No	No	Xeon 2.80GHz	
Intel	S5000PAL	BIOS 66	Intel 5000P	No	Yes	No	Yes	No	No	Xeon 3.0GHz	
Intel	S5000SPL	AMI v1.17.1057 BIOS S5000.86B.06.0074	Intel 5000P	Yes	Yes	No	Yes	No	No	Dual Core Xeon 3GHz	
Intel	SE7501HG2	AMI BIOS SE7501HG version 22.00	Intel E7501	No	No	No	Yes	No	Yes	Intel Xeon 2.80 GHz	
Intel	SE7505VB2	Phoenix BIOS 1.10	Intel E7505	No	No	No	Yes	No	Yes	Xeon 2.40	
Intel	SE7520AF2	AMI BIOS SE7320EP20.86B.B01	Intel E7520	Yes	Yes	No	Yes	No	No	Xeon 3.0GHz	
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	1.1b	AMD 8131 PCI-X Tunnel / AMD 8111 I/O Hub	No	No	No	Yes	No	No	Dual Core AMD Opteron Processor 27 2.2GHz	

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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	H8DA8-2	1.0c	NVIDIA MCP55 pro	Yes	Yes	No	Yes	No	No	AMD dual core 2.4Ghz
Super Micro	H8DC8	AMI 08.00.12	NVIDIA nForce Pro 2200 and Pro 2050	No	No	Yes	Yes	No	Yes	Dual Core Opteron 2.2GHz
Super Micro	H8DCR-3	R 1.0	NVIDIA nForce Pro 2200 / AMD 8132	No	Yes	No	Yes	No	No	2 x 2.2GHz Dual Core AMD Opteron
Super Micro	P4DP6	Phoenix Rev 1.2a	Intel E7500	No	No	No	Yes	No	No	Xeon 1.5GHz
Super Micro	P4DP6	Phoenix Rev 1.2a	Intel E7500	No	No	No	Yes	No	No	Xeon 1.5GHz
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
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	R2.0b	Intel E7525	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	Yes	No	Xeon 3.40GHz
Super Micro	X6DH8-G2	rev 2.0	Intel E 7520	Yes	Yes	No	Yes	Yes	No	Xeon 3.4GHz
Super Micro	X6DH8-XG2	Phoenix Rev 1.3a	Intel E7520	No	No	Yes	Yes	No	No	Xeon 3.40GHz
Super Micro	X6DHT-G2	Phoenix Rev 1.3b	Intel E7520	No	Yes	No	Yes	No	Yes	Xeon 3.40GHz
Super Micro	X6DVL-EG2	Phoenix v2.53	Intel E7320	Yes	No	No	Yes	No	Yes	Intel Xeon 3 GHz
Tyan	K8W S2885	AMI v02.53	AMD8111	No	No	No	Yes	No	Yes	Opteron 1.8GHz
Tyan	S5372	Phoenix BIOS version 4	Intel® 5000V chipset	Yes	Yes	No	Yes	No	Yes	Intel Xeon 3 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
SAS	Fujitsu	MAV2036RC	0110	36GB
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	P22O	160GB
SATA II	Hitachi	HDS721616PLA380	A70A	160GB
SATA-I	Hitachi	HDS722512VLSA80 I	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	PF20A692	80GB
SATA-I	Hitachi	HDS728080VLSA80	PF20A60A	80GB
SATA-I	Hitachi	HDT722516DLA380	A96A	164GB
SATA II	Hitachi	HDT725032VLA360	A52A	300GB
SATA II	Hitachi	HDT725050VLA360	V56O	500GB
SATA	Hitachi	HTE721010G9SA00	C10V	100GB
SATA	Hitachi	HTS541080G9SA00	MB40C60R	80GB
SAS	Hitachi	HUS151414VLS300	A540	147GB
SAS	Hitachi	HUS151436VLS300	A540	36GB
SAS	Hitachi	HUS151473VLS300	A540	73GB
SAS	Hitachi	Ultrastar	A22F	146GB
SATA-I	Maxtor	6B080M0	BANC1E00	80GB
SATA II	Maxtor	6H400F0	HA43	400GB
SATA II	Maxtor	6H500F0	HA43	500GB
SATA-I	Maxtor	6L080M0	BACE	80GB
SATA-II	Maxtor	6V080E0	VA111630	80GB

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Hard Drives				
Type	Manufacturer	Model	FW Revision	Capacity
SATA-I	Maxtor	6Y080M0	YAR51EW0B	80GB
SATA-I	Maxtor	6Y120M0	YAR51EW0	80GB
SATA-II	Maxtor	7L250F0	G90	250GB
SATA-I	Maxtor	7L250S0	G90	250GB
SAS	Maxtor	Atlas 10K_8J073S0	BK00	73GB
SAS	Maxtor	Atlas 10K_8J147S0	BK00	147GB
SAS	Maxtor	Atlas 15K II_36SAS	BK00	36GB
SAS	Maxtor	Atlas 15K_8K147S0	BK00	147GB
SAS	Maxtor	ATLAS10K5_147SAS	BK0E	147GB
SAS	Maxtor	ATLAS10K5_300SAS	BK0E	300GB
SAS	Maxtor	ATLAS10K5_73SAS	BK0E	73GB
SAS	Maxtor	ATLAS15K2_147SAS	BK09	147GB
SAS	Maxtor	ATLAS15K2_147SAS	BK0E	147GB
SAS	Maxtor	ATLAS15K2_36SAS	BK09	36GB
SAS	Maxtor	ATLAS15K2_36SAS	BK0E	36GB
SAS	Maxtor	ATLAS15K2_73SAS	BK09	73GB
SAS	Maxtor	ATLAS15K2_73SAS	BK0E	73GB
SATA-II	Samsung	HD040GJ	WU10	40GB
SATA-II	Samsung	HD160JJ	WU10	160GB
SATA II	Samsung	HD300LJ	ZT100-12	300GB
SATA II	Samsung	HD400LJ	ZZ10	400GB
SATA	Samsung	HM060II	YB10	60GB
SATA-I	Seagate	ST3120026AS	8.05	120GB
SAS	Seagate	ST3146854SS	0003	140GB
SAS	Seagate	ST3146854SS	0004	146GB
SAS	Seagate	ST3146855SS	0002	140GB
SATA-I	Seagate	ST3160023AS	3.01, 3.05	160GB
SATA-II	Seagate	ST3160212AS	3.AAE	160GB
SATA-I	Seagate	ST3160827AS	3.42	160GB
SATA	Seagate	ST3250623NS	5.01	250GB
SATA II	Seagate	ST3250624NS	3.AEH	250GB
SATA II	Seagate	ST3250823NS	5.01	250GB
SATA II	Seagate	ST3250824NS	3.AE	250GB
SATA-I	Seagate	ST330013AS	3.01	30GB

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Hard Drives				
Type	Manufacturer	Model	FW Revision	Capacity
SAS	Seagate	ST3300655SS	0002	300GB
SAS	Seagate	ST336754SS	0003	36GB
SAS	Seagate	ST336754SS	0004	36GB
SATA II	Seagate	ST3400620NS	3.AEG	400GB
SATA	Seagate	ST3400632NS	5.01	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	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	ST3500841NS	H	465GB
SAS	Seagate	ST373454SS	0003	73GB
SAS	Seagate	ST373454SS	0004	73GB
SAS	Seagate	ST373455SS	0001	73GB
SAS	Seagate	ST373455SS	0002	73GB
SATA II	Seagate	ST3750640AS	2.AA	750GB
SATA II	Seagate	ST3750640AS	3.AA	750GB
SATA-II	Seagate	ST3750640NS	3.AEE	750GB
SATA-I	Seagate	ST380011AS	3.05	80GB
SATA-I	Seagate	ST380011AS	8.05	80GB
SATA-II	Seagate	ST3808110AS	3.AAE	80GB
SAS	Seagate	ST936701SS	0003	36GB
SAS	Seagate	ST936751SS	1	36GB
SATA-I	Western Digital	WD1200JD	Y0.20	120GB
SATA-II	Western Digital	WD1600JS	3	160GB
SATA-I	Western Digital	WD2500JD	Y02.0	250GB
SATA-II	Western Digital	WD2500JS	3	250GB
SATA-II	Western Digital	WD2500JS	03.01C03	250GB
SATA II	Western Digital	WD2500JS-00MHB	02.01C03	250GB
SATA-II	Western Digital	WD2500YS-01S	6C03	250GB
SATA-II	Western Digital	WD3200KS-00PFB	0M21	320GB

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Hard Drives				
Type	Manufacturer	Model	FW Revision	Capacity
SATA-I	Western Digital	WD360GD	35.0, 37.0	36GB
SATA	Western Digital	WD400YR	01.0	400GB
SATA-I	Western Digital	WD400JD	Y13.0	40GB
SATA-I	Western Digital	WD400JD-75HKA1	14.03G14	40GB
SATA	Western Digital	WD5000AAKS-01TMA	2N11	500GB
SATA II	Western Digital	WD5000KS	06.0	500GB
SATA	Western Digital	WD5000YS	07.0	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
SAS/SATA	Adaptec	Storage Enclosure 335SAS	1.07	4
SAS/SATA	Area Data Systems	RX190A	N/A	2
SAS/SATA	AIC/Xtore	RSC-3E-65R-SA10-2	N/A	16
SAS/SATA	AIC/Xtore	RSC-3EC-80R-SA1D-2-R	109g	16
SAS/SATA II	AIC/Xtore	RSC-3EC-80R-SA1S-2-R	109g	16
SAS/SATA II	AIC/Xtore	XC-28-2	N/A	8
SAS/SATA	AIC/Xtore	XC-34D-2	N/A	4
SAS/SATA II	AIC/Xtore	XJ-SA12-316R	109G	16
SAS/SATA	AIC/Xtore	XJ-SA13-224R-S	1.07b, 1.09h	24
SAS/SATA II	AIC/Xtore	XJ-SA24-316R-S	1.07a	16
SAS/SATA	Alliance	Midplane	N/A	3
SAS/SATA	Chenbro	RM21508B	n/a	8
SAS/SATA II	Chenbro	RM31212B	N/A	12
SAS/SATA II	Chenbro	RM32216	N/A	16
SAS/SATA II	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	Engenio	1333	0166	15
SATA	HighPoint	X4	N/A	4
SAS/SATA	Icy Dock	MB453IPF-B	N/A	3
SATA	ICY DOCK	MB454	N/A	4
SATA	ICY DOCK	MB455	N/A	5
SAS/SATA	Intel	ASR1500PASBP	N/A	3
SAS	Intel	SC5300	N/A	6
SAS/SATA	Newisys	SA2120	N/A	12
SAS/SATA	Newisys	SANbloc S50	T024	12
SATA	Promise	SuperSwap 4100	N/A	4
SAS/SATA	Promise	SuperSwap 4600	N/A	4
SAS/SATA	Promise	VTrak J300S	1.02.00	12

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SAS/SATA	Super Micro	CSE-733TQ-645	7	5
SATA	Super Micro	CSE-M34T	N/A	4
SATA	Super Micro	CSE-M35T-1	N/A	5
SAS/SATA	Super Micro	CSE-M35TQ	N/A	5
SAS/SATA II	Super Micro	SC745TQ-R800	3	8
SAS/SATA	Super Micro	SC825TQ	3	8
SAS only	Super Micro	SC836E1-R800V	Yes	16
SAS/SATA II	TST	ESR-316 (01-1210-01A)	N/A	16
SAS/SATA II	TST	ESR-316 (01-1210-06A)	N/A	16
SAS/SATA	Wu Kuang	X4 SAS	N/A	4
SAS/SATA	Xyratex	OneStor 5000AA	5.84	12

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Minimum testing for listed direct-attached storage devices (DASD) consists of recognition on the controller model and 12-24 hours of data integrity I/O stress load on each device.

Non-DASD					
Type	Manufacturer	Category	Model	FW Revision	Capacity
SATA	Plextor	DVD-RW	PX-755A	1.02	4.7GB
SATA	Quantum	Tape Drive	DLT-V4	0500	320GB
SATA	Sony	Tape Drive	SDX-570V	0100	400GB
SATA	Quantum	Removable drive	QR1201	0064	160GB
SATA	Samsung	DVD-RW	SH-S183	SB01	Dual-Layer
SATA	Sony	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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