

Compatibility List for:
Adaptec RAID 51245 (Board Rev. C1 or later)
Adaptec RAID 51645 (Board Rev. C1 or later)
Adaptec RAID 52445 (Board Rev. C1 or later)

This Compatibility Report reflects testing performed by Adaptec by PMC 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 by PMC Product Verification Group and the InterOperability Test Lab.

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	Expander Vendor	Expander FW Revision	SEP Vendor	SEP FW Revision	# of Bays	Speed
SAS/SATA	AIC (Xtore)	MiniBOD Series: XJ-SA01-008-A1	N/A	N/A	N/A	N/A	8	3G/6G
SAS/SATA	AIC (Xtore)	RSC-3EG2-80R-SA1C1-0-R	N/A	N/A	Virtual SGPIO	0001	16	3G/6G
SAS/SATA	Area Electronics	ADS-NDS1400SM	DataOn	2A70	N/A	N/A	12	3G
SAS/SATA	Chenbro	RM11704B	N/A	N/A	N/A	N/A	4	3G/6G
SAS/SATA	Chenbro	RM12404B	N/A	N/A	N/A	N/A	4	3G/6G
SAS/SATA	Chenbro	RM13204	N/A	N/A	N/A	N/A	6	3G/6G
SAS/SATA	Chenbro	RM21508B	N/A	N/A	N/A	N/A	8	3G/6G
SAS/SATA	Chenbro	RM23212	N/A	N/A	N/A	N/A	12	3G/6G
SAS/SATA	Chenbro	RM31212B	N/A	N/A	N/A	N/A	12	3G/6G
SAS/SATA	Chenbro	RM41416B	N/A	N/A	N/A	N/A	16	3G/6G
SAS/SATA	Chenbro	RM21706	N/A	N/A	N/A	N/A	6	3G/6G
SAS/SATA	Chenbro	RM31616	N/A	N/A	N/A	N/A	16	3G/6G
SAS/SATA	Chenbro	RM31408	N/A	N/A	N/A	N/A	8	3G/6G
SAS/SATA	Chenbro	SR105	N/A	N/A	N/A	N/A	4	3G/6G
SAS/SATA	Chenbro	SR107	N/A	N/A	N/A	N/A	8	3G/6G
SAS/SATA	Chenbro	SR108	N/A	N/A	N/A	N/A	8	3G/6G
SAS/SATA	Chenbro	SR209	N/A	N/A	N/A	N/A	4	3G/6G
SAS/SATA	CI Design	NSR 224	N/A	N/A	N/A	N/A	24	3G/6G
SAS/SATA	CI Design	NSR 316	N/A	N/A	N/A	N/A	16	3G/6G

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Enclosures								
Type	Manufacturer	Model	Expander Vendor	Expander FW Revision	SEP Vendor	SEP FW Revision	# of Bays	Speed
SAS/SATA	CI Design	NSR 316 (12-6507-00B)	N/A	N/A	N/A	N/A	16	3G/6G
SAS/SATA	CI Design	SR 104	N/A	N/A	N/A	N/A	4	3G/6G
SAS/SATA	CI Design	SR 208	N/A	N/A	N/A	N/A	8	3G/6G
SAS/SATA	CI Design	SR 212	N/A	N/A	N/A	N/A	12	3G/6G
SAS/SATA	CI Design	SR 316	N/A	N/A	N/A	N/A	16	3G/6G
SAS/SATA	CI Design	SR 524	N/A	N/A	N/A	N/A	24	3G/6G
SAS/SATA	CI Design	SR 850	N/A	N/A	N/A	N/A	50	3G/6G
SAS/SATA	HP	HP StorageWorks D2700	SAS AJ941	0131	N/A	N/A	25	6G
SAS/SATA	Intel	AXX6DRV3GEXP	Vitesse VSC7161	2.18	Vitesse VSC7161	2.18	6	3G
SAS/SATA	Intel	AXX6DRV3GR	N/A	N/A	Vitesse	2.17	6	3G/6G
SAS/SATA	Intel	SR2500 FALPASMP	N/A	N/A	Vitesse VSC410	2.15	5	3G
SAS/SATA	Intel	SSR212MC	LSI	01A	N/A	N/A	12	3G
SAS/SATA	Newisys	NDS-8200	Dell FS12	R118	N/A	N/A	12	3G
SAS/SATA	Promise	VTrak J310sD	PMC PM8388	0107	N/A	N/A	12	3G
SAS/SATA	Promise	VTrak J310sS	PMC PM8388	0107	N/A	N/A	12	3G
SAS/SATA	Promise	VTrak J610sD	PMC PM8388	0107	N/A	N/A	16	3G
SAS/SATA	Promise	VTrak J610sS	PMC PM8388	0107	N/A	N/A	16	3G
SAS/SATA	Promise	Vtrak J630sS	PMC-Sierra	6.12	N/A	N/A	16	3G/6G
SAS/SATA	Promise	Vtrak J630sD	PMC-Sierra	6.12	N/A	N/A	16	3G/6G
SAS/SATA	Promise	Vtrak J830sS	PMC-Sierra	6.12	N/A	N/A	24	3G/6G
SAS/SATA	Promise	Vtrak J830sD	PMC-Sierra	6.12	N/A	N/A	24	3G/6G
SAS/SATA	Super Micro	SuperChassis 836E1-R800B	LSI SASX28	9 bootrecord 3.1	N/A	N/A	16	3G
SAS/SATA	Super Micro	SuperChassis 836E1-R800V	LSI SASX28	9 bootrecord 3.1	N/A	N/A	16	3G
SAS/SATA	Super Micro	SuperChassis 836E2-R800B	LSI SASX28	9 bootrecord 3.1	N/A	N/A	16	3G
SAS/SATA	Super Micro	SuperChassis 836E2-R800V	LSI SASX28	9 bootrecord 3.1	N/A	N/A	16	3G
SAS/SATA	Super Micro	SuperChassis 846A-R1200B	LSI SASX36 A.0	9	N/A	N/A	24	3G
SAS/SATA	Super Micro	SuperChassis 933E1-R760	LSI SASX28	9 bootrecord 3.1	N/A	N/A	15	3G
SAS/SATA	Super Micro	SuperChassis 933E1-R760B	LSI SASX28	9 bootrecord 3.1	N/A	N/A	15	3G
SAS/SATA	Super Micro	SuperChassis 933E2-R760	LSI SASX28	9 bootrecord 3.1	N/A	N/A	15	3G

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Enclosures								
Type	Manufacturer	Model	Expander Vendor	Expander FW Revision	SEP Vendor	SEP FW Revision	# of Bays	Speed
SAS/SATA	Super Micro	SuperChassis 933E2-R760B	LSI SASX28	9 bootrecord 3.1	N/A	N/A	15	3G
SAS/SATA	Super Micro	SuperChassis 219A	N/A	N/A	MG9072	0007	24	3G/6G
SAS/SATA	TST	ESR-102	N/A	N/A	N/A	N/A	2	3G/6G
SAS/SATA	TST	ESR-104	N/A	N/A	N/A	N/A	4	3G/6G
SAS/SATA	TST	ESR-106	N/A	N/A	N/A	N/A	6	3G/6G
SAS/SATA	TST	ESR-208	N/A	N/A	N/A	N/A	8	3G/6G
SAS/SATA	TST	ESR-210	N/A	N/A	N/A	N/A	10	3G/6G
SAS/SATA	TST	ESR-212	N/A	N/A	N/A	N/A	12	3G/6G
SAS/SATA	TST	ESR-308	N/A	N/A	N/A	N/A	8	3G/6G
SAS/SATA	TST	ESR-316	N/A	N/A	N/A	N/A	16	3G/6G
SAS/SATA	TST	ESR-420	N/A	N/A	N/A	N/A	20	3G/6G
SAS/SATA	TST	ESR-524	N/A	N/A	N/A	N/A	24	3G/6G
SAS/SATA	Xtore	XJ-SA12-005	AIC 5/10D	304C	N/A	N/A	5	3G
SAS/SATA	Xtore	XJ-SA12-010	AIC 5/10D	304C	N/A	N/A	10	3G
SAS/SATA	Xtore	XJ-SA26-110R	AIC EM10-54C-01A1	114F	N/A	N/A	10	3G
SAS/SATA	Xtore	XJ-SA26-212R	AIC EM12-54C-01A1	114F	N/A	N/A	12	3G
SAS/SATA	Xtore	XJ-SA26-244R	Vitesse VSC7153 / VSC7154	114F	N/A	N/A	24	3G
SAS/SATA	Xtore	XJ-SA24-316R	AIC EM16-53C-01A2	114F	N/A	N/A	16	3G

Minimum testing for listed hard drives includes direct-attached recognition on each RAID controller model subjected to data integrity I/O stress load under each RAID Level with a variety of RAID states (optimal, suboptimal, degraded, compressed, expanding, and migrating). When selecting a hard drive, be aware that other factors not taken into account during this testing may impact successful operation. Just a few examples of such are, the use of an enclosure/backplane, not following the drive vendor's usage guidelines, or not providing adequate environmental support. Our compatibility reports are intended to be used as a guideline for compatibility, but it's important to factor in **all** requirements for your particular configuration prior to selecting a hard drive to fit your needs.

Intelligent Power Management is an Adaptec-exclusive controller feature that can reduce hard drive power consumption by up to 70%. Testing has been performed to validate drive support of Standby Mode – drives spin at a reduced RPM – and Power-Off Mode – drive completely spun down for maximum power savings. A 'check mark' indicates Adaptec testing resulted in reduced power in that particular power mode. If there is no 'check mark', Adaptec testing did not yield savings in hard drive power consumption.

SAS Hard Drives							Intelligent Power Management	
Note: Drives of the same family with different capacity should be compatible as long as the drive has the same (or more recent) firmware.							Standby Mode	Power-Off Mode
Type	Manufacturer	Family	Model	FW Revision	Capacity	Speed		
SAS	Hitachi	Ultrastar 15K300	HUS153073VLS300	A320	73GB	3G		✓
SAS	Hitachi	Ultrastar 15K300	HUS153014VLS300	A320	147GB	3G		✓
SAS	Hitachi	Ultrastar 15K300	HUS153030VLS300	A320	300GB	3G		✓
SAS	Hitachi	Ultrastar 15K450	HUS154545VLS300	A4B0, A500	450GB	3G		✓
SAS	Hitachi	Ultrastar 15K600	HUS156045VLS600	A53E	450GB	6G		✓
SAS	Hitachi	Ultrastar 15K600	HUS156045VLS601	A392	450GB	6G		✓
SAS	Hitachi	Ultrastar 15K600	HUS156030VLS600	A310, A510	600GB	6G		✓
SAS	Hitachi	Ultrastar 15K600	HUS156030VLS601	A392	600GB	6G		✓
SAS	Hitachi	Ultrastar 15K600	HUS156060VLS600	A392	600GB	6G		✓
SAS	Hitachi	Ultrastar 15K600	HUS156060VLS601	A392	600GB	6G		✓
SAS	Hitachi	Ultrastar C10K147	HUC101473CSS300	A210	73GB	3G		✓
SAS	Hitachi	Ultrastar C10K147	HUC101414CSS300	A210	147GB	3G		✓
SAS	Hitachi	Ultrastar C10K300	HUC103014CSS600	A120	147GB	6G		✓
SAS	Hitachi	Ultrastar C10K300	HUC103030CSS600	A120	300GB	6G		✓
SAS	Hitachi	Ultrastar C10K600	HUC106060CSS600	A202	600GB	6G		✓
SAS	Hitachi	Ultrastar C15K147	HUC151473CSS600	A330	73GB	6G		✓
SAS	Hitachi	Ultrastar C15K147	HUC151473CSS601	A330	73GB	6G		✓

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SAS Hard Drives							Intelligent Power Management	
Note: Drives of the same family with different capacity should be compatible as long as the drive has the same (or more recent) firmware.								
Type	Manufacturer	Family	Model	FW Revision	Capacity	Speed	Standby Mode	Power-Off Mode
SAS	Hitachi	Ultrastar C15K147	HUC151414CSS600	A330	147GB	6G		✓
SAS	Hitachi	Ultrastar C15K147	HUC151414CSS601	A330	147GB	6G		✓
SAS	Seagate	Barracuda ES.2	ST3500620SS	0002	500GB	3G		✓
SAS	Seagate	Barracuda ES.2	ST3750630SS	0002	750GB	3G		✓
SAS	Seagate	Barracuda ES.2	ST31000640SS	0002	1TB	3G		✓
SAS	Seagate	Cheetah 15K.5	ST373455SS	0004	73GB	3G		✓
SAS	Seagate	Cheetah 15K.5	ST3146855SS	0004	146GB	3G		✓
SAS	Seagate	Cheetah 15K.5	ST3300655SS	0004	300GB	3G		✓
SAS	Seagate	Cheetah 15K.6	ST3146356SS	0003	146GB	3G		✓
SAS	Seagate	Cheetah 15K.6	ST3300656SS	0003	300GB	3G		✓
SAS	Seagate	Cheetah 15K.6	ST3450856SS	0003	450GB	3G		✓
SAS	Seagate	Cheetah 15K.7	ST3300657SS	0005	300GB	6G		✓
SAS	Seagate	Cheetah 15K.7	ST3450857SS	0005	450GB	6G		✓
SAS	Seagate	Cheetah 15K.7	ST3600057SS	0005	600GB	6G		✓
SAS	Seagate	Cheetah NS	ST3400755SS	0001	400GB	3G		✓
SAS	Seagate	Constellation	ST9500430SS	0002	500GB	6G		✓
SAS	Seagate	Constellation	ST9500431SS	0002	500GB	6G		✓
SAS	Seagate	Constellation.2	ST91000640SS	0003	1TB	6G		✓
SAS	Seagate	Constellation ES	ST32000444SS	0004, 0005	2TB	6G		✓
SAS	Seagate	Constellation ES.2	ST33000650SS	0002	3TB	6G		✓
SAS	Seagate	Savvio 10K.2	ST973402SS	0002	73GB	3G		✓
SAS	Seagate	Savvio 10K.2	ST9146802SS	0002	146GB	3G		✓
SAS	Seagate	Savvio 10K.3	ST9146703SS	0006	146GB	6G		✓
SAS	Seagate	Savvio 10K.3	ST9146803SS	0006	146GB	6G		✓
SAS	Seagate	Savvio 10K.3	ST9300503SS	0006	300GB	6G		✓
SAS	Seagate	Savvio 10K.3	ST9300603SS	0006	300GB	6G		✓
SAS	Seagate	Savvio 10K.4	ST9600204SS	0004	600GB	6G		<i>Not tested</i>
SAS	Seagate	Savvio 10K.5	ST9900805SS	0001	900GB	6G		<i>Not tested</i>
SAS	Seagate	Savvio 15K	ST936751SS	0001	36GB	3G		✓
SAS	Seagate	Savvio 15K	ST973451SS	0001	73GB	3G		✓

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SAS Hard Drives							Intelligent Power Management	
Note: Drives of the same family with different capacity should be compatible as long as the drive has the same (or more recent) firmware.								
Type	Manufacturer	Family	Model	FW Revision	Capacity	Speed	Standby Mode	Power-Off Mode
SAS	Seagate	Savvio 15K.2	ST9146752SS	0005	146GB	6G		✓
SAS	Seagate	Savvio 15K.2	ST9146852SS	0005	73GB	6G		✓
SAS	Seagate	Savvio 15K.2	ST973352SS	0005	73GB	6G		✓
SAS	Seagate	Savvio 15K.2	ST973452SS	0005	73GB	6G		✓
SAS	Seagate	Savvio 15K.3	ST9300653SS	0002	300GB	6G		<i>Not tested</i>
SAS	Toshiba	MAV2*** RC Series	MAV2036RC	0110	36GB	3G		✓
SAS	Toshiba	MAV2*** RC Series	MAV2073RC	0110	73GB	3G		✓
SAS	Toshiba	MAX3*** RC Series	MAX3036RC	0102, 0104	36GB	3G		✓
SAS	Toshiba	MAX3*** RC Series	MAX3073RC	0102, 0104	73GB	3G		✓
SAS	Toshiba	MAX3*** RC Series	MAX3147RC	0104	147GB	3G		✓
SAS	Toshiba	MAY2*** RC Series	MAY2036RC	0103	36GB	3G		✓
SAS	Toshiba	MAY2*** RC Series	MAY2073RC	0103	73GB	3G		✓
SAS	Toshiba	MBA3*** RC Series	MBA3073RC	0103	73GB	3G		✓
SAS	Toshiba	MBA3*** RC Series	MBA3147RC	0103	147GB	3G		✓
SAS	Toshiba	MBA3*** RC Series	MBA3300RC	0103	300GB	3G		✓
SAS	Toshiba	MBB2*** RC Series	MBB2073RC	0105	73GB	3G		✓
SAS	Toshiba	MBB2*** RC Series	MBB2147RC	0105	147GB	3G		✓
SAS	Toshiba	MBC2*** RC Series	MBC2036RC	0104	36GB	3G		✓
SAS	Toshiba	MBC2*** RC Series	MBC2073RC	0104	73GB	3G		✓
SAS	Toshiba	MBD2*** RC Series	MBD2147RC	0102	147GB	6G		✓
SAS	Toshiba	MBD2*** RC Series	MBD2300RC	0102	300GB	6G		✓
SAS	Toshiba	MBE2*** RC Series	MBE2073RC	0103	73GB	6G		✓
SAS	Toshiba	MBE2*** RC Series	MBE2147RC	0103	147GB	6G		✓
SAS	Toshiba	MBF2** LRC Series	MBF245LRC	6102	450GB	6G		<i>Not tested</i>
SAS	Toshiba	MBF2*** RC Series	MBF2600RC	0107	600GB	6G		✓
SAS	Toshiba	MKx001TRKB Series	MK1001TRKB	0105	1TB	6G		<i>Not tested</i>
SAS	Toshiba	MKx001TRKB Series	MK2001TRKB	0105	2TB	6G		<i>Not tested</i>
SAS	Western Digital	S25	WD1460BKFG	D0E0	146GB	6G		✓
SAS	Western Digital	S25	WD3000BKFG	D0E0	300GB	6G		✓
SAS	Western Digital	S25	WD4500BKFG	D0E0	450GB	6G		✓

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SAS Hard Drives	Note: Drives of the same family with different capacity should be compatible as long as the drive has the same (or more recent) firmware.						Intelligent Power Management	
Type	Manufacturer	Family	Model	FW Revision	Capacity	Speed	Standby Mode	Power-Off Mode
SAS	Western Digital	S25	WD6000BKHG	VG03	600GB	6G		✓

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SATA Hard Drives		Note: Drives of the same family with different capacity should be compatible as long as the drive has the same (or more recent) firmware.					Intelligent Power Management	
Type	Manufacturer	Family	Model	FW Revision	Capacity	Speed	Standby Mode	Power-Off Mode
SATA	Hitachi	Deskstar 5K3000	HDS5C3020ALA632	ML60A180	2TB	6G		✓
SATA	Hitachi	Deskstar 7K1000	HDS721075KLA330	GK80A70M	750GB	3G		✓
SATA	Hitachi	Deskstar 7K1000	HDS721010KLA330	GK80A70M	1TB	3G		✓
SATA	Hitachi	Deskstar 7K1000.B	HDT721016SLA380	ST60A31B	160GB	3G		✓
SATA	Hitachi	Deskstar 7K1000.B	HDT721025SLA380	ST60A31B	250GB	3G		✓
SATA	Hitachi	Deskstar 7K1000.B	HDT721032SLA360	ST60A31B	320GB	3G		✓
SATA	Hitachi	Deskstar 7K1000.B	HDT721050SLA360	ST60A31B	500GB	3G		✓
SATA	Hitachi	Deskstar 7K1000.B	HDT721064SLA360	ST60A31B	640GB	3G		✓
SATA	Hitachi	Deskstar 7K1000.B	HDT721075SLA360	ST60A31B	750GB	3G		✓
SATA	Hitachi	Deskstar 7K1000.B	HDT721010SLA360	ST60A31B	1TB	3G		✓
SATA	Hitachi	Deskstar 7K160	HDS721680PLA380	P220A70A	80GB	3G		✓
SATA	Hitachi	Deskstar 7K160	HDS721612PLA380	P220A70A	120GB	3G		✓
SATA	Hitachi	Deskstar 7K160	HDS721616PLA380	P220A70A	160GB	3G		✓
SATA	Hitachi	Deskstar 7K2000	HDS722020ALA330	JKAOA28A	2TB	3G		✓
SATA	Hitachi	Deskstar 7K3000	HDS723030ALA640	MKAOA580	3TB	6G		✓
SATA	Hitachi	Deskstar E7K1000	HDE721050SLA330	ST60A31B	500GB	3G		✓
SATA	Hitachi	Deskstar E7K1000	HDE721075SLA330	ST60A31B	750GB	3G		✓
SATA	Hitachi	Deskstar E7K1000	HDE721010SLA330	ST60A31B	1TB	3G		✓
SATA	Hitachi	Deskstar P7K500	HDP725025GLA380	GM30A52A	250GB	3G		✓
SATA	Hitachi	Deskstar P7K500	HDP725032GLA360	GM30A52A	320GB	3G		✓
SATA	Hitachi	Deskstar P7K500	HDP725032GLA380	GM30A52A	320GB	3G		✓
SATA	Hitachi	Deskstar P7K500	HDP725040GLA360	GMDOA52A	400GB	3G		✓
SATA	Hitachi	Deskstar P7K500	HDP725040GLA380	GM30A52A	400GB	3G		✓
SATA	Hitachi	Deskstar P7K500	HDP725050GLA360	GM40A52A	500GB	3G		✓
SATA	Hitachi	Deskstar P7K500	HDP725050GLA380	GM30A52A	500GB	3G		✓
SATA	Hitachi	Ultrastar 7K3000	HUA723020ALA640	MK70A580	2TB	6G		✓
SATA	Hitachi	Ultrastar 7K3000	HUA723030ALA640	MKAOA580	3TB	6G		✓
SATA	Hitachi	Ultrastar A7K1000	HUA721050KLA330	GKAOAB0A	500GB	3G		✓
SATA	Hitachi	Ultrastar A7K1000	HUA721075KLA330	GKAOAB0A	750GB	3G		✓
SATA	Hitachi	Ultrastar A7K1000	HUA721010KLA330	GKAOAB0A	1TB	3G		✓

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SATA Hard Drives		Note: Drives of the same family with different capacity should be compatible as long as the drive has the same (or more recent) firmware.					Intelligent Power Management	
Type	Manufacturer	Family	Model	FW Revision	Capacity	Speed	Standby Mode	Power-Off Mode
SATA	Hitachi	Ultrastar A7K2000	HUA722050CLA330	JKAOA3EA	500GB	3G		✓
SATA	Hitachi	Ultrastar A7K2000	HUA722010CLA330	JKAOA3EA	1TB	3G		✓
SATA	Hitachi	Ultrastar A7K2000	HUA722020ALA330	JKAOA3EA	2TB	3G		✓
SATA	Hitachi	UltraStar AK73000	HUA723020ALA640	MK70A580	2TB	6G		✓
SATA	Samsung	SpinPoint F3	HD103SJ	1AJ10001	1TB	3G		✓
SATA	Samsung	SpinPoint F3R	HE103SJ	1AJ10001	1TB	3G		✓
SATA	Samsung	SpinPoint F4	HD322GJ	1AR10001	320GB	3G		✓
SATA	Samsung	SpinPoint F4	HD204UI	1AQ10001	2TB	3G		✓
SATA	Seagate	Barracuda	ST320005N4A1AS	CC34	2TB	3G		✓
SATA	Seagate	Barracuda	ST3000DM001	CC4C	3TB	6G		<i>Not tested</i>
SATA	Seagate	Barracuda 7200.12	ST31000528AS	CC46	1TB	3G		✓
SATA	Seagate	Barracuda 7200.14	ST500DM002	KC45	500GB	6G		<i>Not tested</i>
SATA	Seagate	Barracuda ES.2	ST3250310NS	SN06	250GB	3G		✓
SATA	Seagate	Barracuda ES.2	ST3500320NS	SN06	500GB	3G		✓
SATA	Seagate	Barracuda ES.2	ST3750330NS	SN06	750GB	3G		✓
SATA	Seagate	Barracuda ES.2	ST31000340NS	DN06	1TB	3G		✓
SATA	Seagate	Barracuda LP	ST31000520AS	CC34	1TB	3G		✓
SATA	Seagate	Barracuda LP	ST31500541AS	CC34	1.5TB	3G		✓
SATA	Seagate	Barracuda LP	ST32000542AS	CC32, CC34	2TB	3G		✓
SATA	Seagate	Barracuda XT	ST32000641AS	CC13	2TB	6G		✓
SATA	Seagate	Barracuda XT	ST33000651AS	CC44	3TB	6G		✓
SATA	Seagate	Constellation	ST9160511NS	SN03	160GB	3G		✓
SATA	Seagate	Constellation	ST9500530NS	SN03	500GB	3G		✓
SATA	Seagate	Constellation ES	ST31000524NS	SN05	1TB	3G		<i>Not tested</i>
SATA	Seagate	Constellation ES	ST2000NM0011	0002	2TB	6G		<i>Not tested</i>
SATA	Seagate	Constellation ES	ST32000644NS	SN11, SN12	2TB	3G		✓
SATA	Seagate	Constellation ES	ST33000650NS	0001	3TB	6G		✓
SATA	Seagate	Constellation.2	ST91000640NS	0001	1TB	6G		<i>Not tested</i>
SATA	Seagate	SV35.4 Series	ST3320410SV	CV11	320GB	3G		✓
SATA	Seagate	SV35.5 Series	ST31000525SV	CV12	1TB	3G		N/A

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SATA Hard Drives		Note: Drives of the same family with different capacity should be compatible as long as the drive has the same (or more recent) firmware.					Intelligent Power Management	
Type	Manufacturer	Family	Model	FW Revision	Capacity	Speed	Standby Mode	Power-Off Mode
SATA	Seagate	SV35.5 Series	ST3250311SV	CV12	250GB	3G		N/A
SATA	Seagate	SV35.5 Series	ST3500410SV	CV12	500GB	3G		N/A
SATA	Toshiba	MHZ2 BK Series	MHZ2080BK	0000011E	80GB	3G		✓
SATA	Toshiba	MHZ2 BK Series	MHZ2120BK	0000011E	120GB	3G		✓
SATA	Toshiba	MHZ2 BK Series	MHZ2160BK	0000011E	160GB	3G		✓
SATA	Toshiba	MHZ2 BK Series	MHZ2250BK	0000011E	250GB	3G		✓
SATA	Toshiba	MHZ2 BS Series	MHZ2120BS	00000109	120GB	1.5G		✓
SATA	Toshiba	MHZ2 BS Series	MHZ2250BS	00000109	250GB	1.5G		✓
SATA	Toshiba	MJA2 BH Series	MJA2250BH	00000018	250GB	3G		✓
SATA	Toshiba	MJA2 BH Series	MJA2320BH	00000018	320GB	3G		✓
SATA	Toshiba	MJA2 BH Series	MJA2400BH	00000018	400GB	3G		✓
SATA	Toshiba	MJA2 BH Series	MJA2500BH	00000018	500GB	3G		✓
SATA	Toshiba	MKx002TSKB Series	MK1002TSKB	MT2A	1TB	3G		✓
SATA	Toshiba	MKx002TSKB Series	MK2002TSKB	MT2A	2TB	3G		✓
SATA	Western Digital	S25	WD6000BLHX	04.05G04	600GB	6G		✓
SATA	Western Digital	VelociRaptor	WD1500BLFS	04.04V06	150GB	3G		✓
SATA	Western Digital	VelociRaptor	WD1500HLFS	04.04V06	150GB	3G		✓
SATA	Western Digital	VelociRaptor	WD3000BLFS	04.04V06	300GB	3G		✓
SATA	Western Digital	VelociRaptor	WD3000GLFS	04.04V06	300GB	3G		✓
SATA	Western Digital	VelociRaptor	WD3000HLFS	04.04V06	300GB	3G		✓
SATA	Western Digital	WD RE3	WD2502ABYS	02.03B03	250GB	3G		✓
SATA	Western Digital	WD RE3	WD3202ABYS	02.03B03	320GB	3G		✓
SATA	Western Digital	WD RE3	WD5002ABYS	02.03B03	500GB	3G		✓
SATA	Western Digital	WD RE3	WD7502ABYS	03.00C06	750GB	3G		✓
SATA	Western Digital	WD RE3	WD1002FBYS	03.00C06	1TB	3G		✓
SATA	Western Digital	WD RE4	WD2003FYYS	01.01D01	2TB	3G		✓
SATA	Western Digital	WD RE4	WD2503ABYX	01.01S01	250GB	3G		<i>Not tested</i>
SATA	Western Digital	WD RE4	WD1003FBYX	01.01V01	1TB	3G		<i>Not tested</i>
SATA	Western Digital	WD RE4-GP	WD2002FYPS	04.01G01 , 04.05G05	2TB	3G		✓
SATA	Western Digital	WD T3	WD3009FYPX	01.01001	3TB	3G		✓

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Solid State Drives (SSD)						
Type	Manufacturer	Family	Model	FW Revision	Capacity	Speed
SAS	Hitachi	UltraStar SSD400S	HUSSL4010ASS600	A131	100GB	6G
SAS	Hitachi	UltraStar SSD400S	HUSSL4040ASS600	A131	400GB	6G
SATA	Intel	710 Series	SSDSA2BZ100G3	6PB10362	100GB	3G
SATA	Intel	520 Series	SSDSC2CW12	400i	120GB	6G
SATA	Intel	520 Series	SSDSC2BW24	400i	240GB	6G
SATA	Intel	510 Series	SSDSC2MH12	PPG2	120GB	6G
SATA	Intel	320 Series	SSDSA2CT04	4PC10302	40GB	3G
SATA	Intel	320 Series	SSDSA2CW16	4PC10302	160GB	3G
SATA	Intel	X25-E Extreme	SSDSA2SH032G1	045C8860	32GB	3G
SATA	Intel	X25-E Extreme	SSDSA2SH064G1	045C8860	64GB	3G
SATA	Intel	X25-M Mainstream	SSDSA2M160G2	2CV102HD	160GB	3G
SATA	Kingston	SSDNow V+200 Series	SVP200S3/60G	332ABBF0	60GB	6G
SATA	Kingston	SSDNow V+200 Series	SVP200S3/90G	332ABBF0	90GB	6G
SATA	Kingston	SSDNow V+200 Series	SVP200S3/120G	332ABBF0	120GB	6G
SATA	Kingston	SSDNow KC100 Series	SKC100S3	321ABBF0	120GB	6G
SATA	Kingston	SSDNow KC100 Series	SKC100S3	321ABBF0	480GB	6G
SATA	Micron	RealSSD P300	P300-MTFDDAC050S	0001	50GB	6G
SATA	OCZ Technology	Intrepid Series SATA II 2.5" SSD	ITDCSTE025M20-0256	1.5E	256GB	3G
SATA	OCZ Technology	Vertex 3 Series	VTX3-25SAT3-120G	2.15	120GB	6G
SATA	OCZ Technology	Vertex 3 Series	VTX3-25SAT3-240G	2.15	240GB	6G
SATA	OCZ Technology	Vertex 3 MAX IOPS Series	VTX3MI-256SAT3-240G	2.15	240GB	6G
SAS	OCZ Technology	Talos C Series	TALOS TCSAK352-0230	1.35	230GB	6G
SATA	Samsung	830 Series	MZ-7PC256D	CXM02W1Q	256GB	6G
SATA	Samsung	PM800	MMCRE64G5MXP-0VB	VBM1801Q	64GB	3G
SATA	Samsung	PM800	MMCRE28G5MXP-0VB	VBM1801Q	128GB	3G
SATA	Samsung	PM800	MMDOE56G5MXP-0VB	VBM1801Q	256GB	3G
SATA	Samsung	SS415	MCCOE50G5MPQ-0VA	VAC2303Q	50GB	1,5G
SATA	Samsung	SS805	MCB4E50G5MXP-0VB	VBC3803Q	50GB	3G
SATA	Samsung	SS805	MCCOE1HG5MXP-0VB	VBC3803Q	100GB	3G
SATA	Seagate	Pulsar.2	ST100FM0012	0003	100GB	6G
SATA	STEC	MACH8 SSD	MACH8 IO	2608	32GB	1.5G

Note: Drives of the same family with different capacity should be compatible as long as the drive has the same (or more recent) firmware.

Solid State Drives (SSD)

Note: Drives of the same family with different capacity should be compatible as long as the drive has the same (or more recent) firmware.

Type	Manufacturer	Family	Model	FW Revision	Capacity	Speed
SATA	STEC	MACH16	M16ISD2-200UCO	00000184	200GB	3G
SATA	Viking	Element	VRFS21100GBCNS	346A13F0	100GB	3G
SATA	Viking	SATADIMM	VRFSD1100GBCNS	346A13F0	100GB	3G

Non-DASD					
Type	Manufacturer	Category	Model	FW Revision	Capacity
SATA	Asus	DVD-ROM	E818A3T	1.00	N/A
SATA	Asus	DVD-RW	DRW-1814BLT	1.04	N/A
SATA	HP	CD-ROM	GCR-H11N	V613	N/A
SATA	HP	Tape	DAT-72	VC07A000	72GB
SAS	HP	Tape	LTO-4	U26W	800GB
SAS	HP	Tape	LTO-3	U12D	400GB
SAS	HP	Tape	LTO-2	T23D	400GB
SATA	Iomega	Removable	RRD (REV-35)	062B	35GB
SATA	LG	DVD-RW	GH22NS30	1.01, 1.03	N/A
SATA	LiteOn	DVD-ROM	DH-16D3S	SP52	N/A
SATA	LiteOn	DVD-ROM	DH-52C2S	NP57	N/A
SATA	Pioneer	DVD-RW	DVR-212DBK	1.15	N/A
SATA	Pioneer	DVD-RW	DVR-216DBK	1.08	N/A
SATA	Plextor	DVD-RW	PX-716SA	1.08	N/A
SATA	Quantum	Removable	QR1201, GoVault	V0064000	120GB
SATA	Quantum	Tape	DLT-V4	0500	160GB
SAS	Quantum	Tape	LTO-3	2076	400GB
SATA	Quantum	Tape Drive	DLT-V4	0900	160GB
SATA	Quantum	Tape Drive	DAT-72	VC07A000	72GB
SATA	Sony	Tape	SDX-870V	0100	390GB
SATA	Sony	Tape	SDX-570	0101	50GB
SATA	Sony	Tape	SDX-470	0101	35GB
SATA	Sony	Tape	SDX-470V (AIT1)	0100	40GB
SATA	SonyNEC	DVD-RW	AD-7201S	1.06	N/A
SATA	SonyNEC	DVD-RW	AD-7200S	1.06	N/A
SATA	Tandberg	Removable	RDX	0037	40GB

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	CPU	Memory	Memory Type
Asus	KCMA-D8	0403	AMD SR5670	AMD Opteron 4184 2.8GHz 6 Cores	4GB	DDR3
Asus	KGPE-D16	2005	AMD G34	AMD Opteron 6128 2.0GHz 8 Cores	8GB	DDR3
Asus	P6T WS Pro	1205	Intel X58	i7 960 3.2GHz	4GB	DDR3
Asus	P6T6 WS Revolution	0905	Intel X58 NVIDIA NF200	i7 960 3.2GHz	4GB	DDR3
Asus	P6T7 WS SuperComputer	1001	Intel X58 NVIDIA NF200	i7 960 3.2GHz	4GB	DDR3
Asus	P7F-M	0801	Intel 3420 PCH	i7 870 3.2GHz	4GB	DDR3
Asus	P8B-E/4L	1101	Intel C204	Intel Xeon E31220 3.1GHz QuadCore	8GB	DDR3
Asus	WS P6T7	02.61	Nvidia nForce 200X2	i7 960 3.2 GHz	4GB	DDR3
Asus	Z8NA-D6	1209	Intel 5500 IOH	Intel Xeon E5620 2.4GHz QuadCore	4GB	DDR3
Asus	Z8PE-D12X	1103	Intel 5520	Intel E5645 2.4GHz	8GB	DDR3
Dell	PowerEdge T110	1.8.2	Intel X3400	Intel X3430 2.4GHz	4GB	DDR3
Intel	DX58SO	S0X5810J.86A.5561	Intel X58	i7 3.2GHz	6GB	DDR3
Intel	S3420GPLX	BIOS 48 BMC 23 FRU 18	Intel 3420	Intel Xeon 2.66GHz	1GB	DDR3

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Host Systems						
Manufacturer	Model	BIOS	Chipset	CPU	Memory	Memory Type
Intel	S5000PSL	BIOS 98 BMC 65 FRU 48	Intel 5000P	Intel Xeon 2.66GHz	2GB	DDR2 533
Intel	S5500BC	BIOS 33 BMC 34 FRU 12	Intel 5520	Intel Xeon 5500	4GB	DDR3
Intel	S5500WB	BIOS 45 BMC 45 FRU 8	Intel 5520	Intel Xeon 5500	4GB	DDR3
Intel	S5500WBV	BIOS 33 BMC 34 FRU 8	Intel 5520	Intel Xeon 5500	4GB	DDR3
Intel	S5500WC	0033	Intel 5520/5500	Intel Quad-Core Xeon 3.2GHz	2GB	DDR3
Intel	S5520HC	BIOS 57 BMC 56 FRU 30	Intel 5520	Intel Xeon Dual Core E5502	4GB	DDR3
Intel	S5520SC	BIOS 60 BMC 58 FRU 30	Intel 5520	Intel Xeon Dual Core E5502	2GB	DDR3
Intel	SE7525RP2	AMI P.05 .00.0020	Intel E7525	Intel Xeon 2.8GHz	2GB	DDR2 400
Intel	SR2500 ALBRP (S5000PAL)	BIOS 101 BMC 68 FRU 48	Intel 5000P	Intel Dual Core Xeon 3.0GHz	1GB	DDR2
Super Micro	X6DHE-G2	Phoenix 2.0b	Intel E7520	(2) Intel Dual Core Xeon 2.8GHz	8GB	DDR 333
Super Micro	X8DTH-iF	2.0	Intel 5520	Intel Xeon L5520 2,26GHz	2GB	DDR3
Super Micro	X8DTE-F	2.0	Intel 5520	Intel Xeon L5520 2,26GHz	2GB	DDR3
Super Micro	X8DTN+	0.5	Intel 5520	Intel Xeon X5570 2.93GHz	2GB	DDR3
Super Micro	X8Dti-F	1.1b	Intel 5520	Intel Xeon L5520 2,27GHz	2GB	DDR3
Super Micro	X8DAi	08.00.15	Intel 5520/5500	Intel Quad-Core Xeon 3.2GHz	2GB	DDR3

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Host Systems						
Manufacturer	Model	BIOS	Chipset	CPU	Memory	Memory Type
Tyan	S2865	Award	Nvidia nForce 4 SMC DME1737	AMD	2GB	DDR 333
Tyan	S2892 Thunder K8SE	Phoenix 2.04	Nvidia nForce Prof. 2200 (Crush K8-04 Pro)	AMD 2.0GHz	4GB	DDR 400
Tyan	S4985	2.04	nVidia nForce Prof. 2200/2050	Dual Core AMD Opteron processor 8218	4GB	DDR2 533/667
Tyan	S5372	Phoenix 4.0 Ver. 6.1	Intel 5000V	Intel Xeon 3.0GHz	4GB	DDR2 533/667
Tyan	S5510 GM3NR	1.03	Intel C204	Intel Xeon E31220 3.1GHz QuadCore	8GB	DDR3

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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