

Compatibility Report for:

Adaptec RAID 7805

Adaptec RAID 71605 / 71605E

Adaptec RAID 71685 / 78165

Adaptec RAID 72405

Adaptec RAID 7805Q and 71605Q with maxCache 3.0

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.

Minimum testing for listed hard disk drives (HDDs) and solid state drives (SSDs) 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 or SSD, 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.

Minimum testing for listed host systems and motherboards consists of single and multiple controller recognition, controller BIOS interaction with host, and operating system bootability from each controller from every compatible PCIExpress slot. Systems that are capable of supporting more than 4 GB and more than 8 GB 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.

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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Hard Disk Drives (HDDs)



COMPATIBILITY REPORT

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* Adaptec by PMC is committed to providing customers with a stable product that offers both, high performance and high reliability. Enterprise class hard drives and SSDs should always be used on an enterprise class system. Desktop or consumer class drives should not be used due to faster wear-out, I/O timeout incompatibilities, lower tolerances for vibration, and a lack of end-to-end data error detection and correction. Hard drive and SSD manufacturers develop drives to meet specific customer requirements for reliability, capacity, and performance. Using drives outside of their intended application can negatively impact server productivity and data reliability. Please contact the drive manufacturer regarding usage guidelines.

Hard Disk Drives (HDDs)		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
Manufacturer	Interface	Family	Category *	Model	FW Revision	Capacity	Speed	Power-Off Mode
HGST	SATA	Deskstar 7K1000	Desktop	HDS721075KLA330	GK80A70M	750 GB	3 Gb/s	✓
HGST	SATA	Deskstar 7K1000	Desktop	HDS721010KLA330	GK80A70M	1 TB	3 Gb/s	✓
HGST	SATA	Deskstar 7K1000.B	Desktop	HDT721016SLA380	ST60A31B	160 GB	3 Gb/s	✓
HGST	SATA	Deskstar 7K1000.B	Desktop	HDT721025SLA380	ST60A31B	250 GB	3 Gb/s	✓
HGST	SATA	Deskstar 7K1000.B	Desktop	HDT721032SLA360	ST60A31B	320 GB	3 Gb/s	✓
HGST	SATA	Deskstar 7K1000.B	Desktop	HDT721050SLA360	ST60A31B	500 GB	3 Gb/s	✓
HGST	SATA	Deskstar 7K1000.B	Desktop	HDT721064SLA360	ST60A31B	640 GB	3 Gb/s	✓
HGST	SATA	Deskstar 7K1000.B	Desktop	HDT721075SLA360	ST60A31B	750 GB	3 Gb/s	✓
HGST	SATA	Deskstar 7K1000.B	Desktop	HDT721010SLA360	ST60A31B	1 TB	3 Gb/s	✓
HGST	SATA	Deskstar 7K160	Desktop	HDS721680PLA380	P220A70A	80 GB	3 Gb/s	✓
HGST	SATA	Deskstar 7K160	Desktop	HDS721612PLA380	P220A70A	120 GB	3 Gb/s	✓
HGST	SATA	Deskstar 7K160	Desktop	HDS721616PLA380	P220A70A	160 GB	3 Gb/s	✓
HGST	SATA	Deskstar 7K2000	Desktop	HDS722020ALA330	JKAOA28A	2 TB	3 Gb/s	✓
HGST	SATA	Deskstar 7K3000	Desktop	HDS723030ALA640	MKAOA580	3 TB	6 Gb/s	✓
HGST	SATA	Deskstar E7K1000	Desktop	HDE721050SLA330	ST60A31B	500 GB	3 Gb/s	✓
HGST	SATA	Deskstar E7K1000	Desktop	HDE721075SLA330	ST60A31B	750 GB	3 Gb/s	✓

Hard Disk Drives (HDDs)

HGST	SATA	Deskstar E7K1000	Desktop	HDE721010SLA330	ST60A31B	1 TB	3 Gb/s	✓
HGST	SATA	Deskstar P7K500	Desktop	HDP725025GLA380	GM30A52A	250 GB	3 Gb/s	✓
HGST	SATA	Deskstar P7K500	Desktop	HDP725032GLA360	GM30A52A	320 GB	3 Gb/s	✓
HGST	SATA	Deskstar P7K500	Desktop	HDP725032GLA380	GM30A52A	320 GB	3 Gb/s	✓
HGST	SATA	Deskstar P7K500	Desktop	HDP725040GLA360	GMDOA52A	400 GB	3 Gb/s	✓
HGST	SATA	Deskstar P7K500	Desktop	HDP725040GLA380	GM30A52A	400 GB	3 Gb/s	✓
HGST	SATA	Deskstar P7K500	Desktop	HDP725050GLA360	GM40A52A	500 GB	3 Gb/s	✓
HGST	SATA	Deskstar P7K500	Desktop	HDP725050GLA380	GM30A52A	500 GB	3 Gb/s	✓
HGST	SATA	MegaScale DC 4000.B	Enterprise	HMS5C4040BLE640	MPAOA5D0	4 TB	6 Gb/s	✓
HGST	SAS	Ultrastar 15K300	Enterprise	HUS153073VLS300	A320	73 GB	3 Gb/s	✓
HGST	SAS	Ultrastar 15K300	Enterprise	HUS153014VLS300	A320	147 GB	3 Gb/s	✓
HGST	SAS	Ultrastar 15K300	Enterprise	HUS153030VLS300	A320	300 GB	3 Gb/s	✓
HGST	SAS	Ultrastar 15K450	Enterprise	HUS154545VLS300	A4B0, A500	450 GB	3 Gb/s	✓
HGST	SAS	Ultrastar 15K600	Enterprise	HUS156030VLS600	A310, A510	600 GB	6 Gb/s	✓
HGST	SAS	Ultrastar 15K600	Enterprise	HUS156030VLS601	A392	600 GB	6 Gb/s	✓
HGST	SAS	Ultrastar 15K600	Enterprise	HUS156045VLS600	A53E	450 GB	6 Gb/s	✓
HGST	SAS	Ultrastar 15K600	Enterprise	HUS156045VLS601	A392	450 GB	6 Gb/s	✓
HGST	SAS	Ultrastar 15K600	Enterprise	HUS156060VLS600	A392	600 GB	6 Gb/s	✓
HGST	SAS	Ultrastar 15K600	Enterprise	HUS156060VLS601	A392	600 GB	6 Gb/s	✓
HGST	SATA	Ultrastar 7K3000	Enterprise	HUA723020ALA640	MK70A580	2 TB	6 Gb/s	✓
HGST	SATA	Ultrastar 7K3000	Enterprise	HUA723030ALA640	MKAOA580	3 TB	6 Gb/s	✓
HGST	SATA	Ultrastar 7K4000	Enterprise	HUS724040ALA640	MFAOA8B0	4 TB	6 Gb/s	✓
HGST	SATA	Ultrastar 7K4000	Enterprise	HUS724040ALE640	MJAOA390	4 TB	6 Gb/s	✓
HGST	SAS	Ultrastar 7K4000	Enterprise	HUS724040ALS640	A152	4 TB	6 Gb/s	✓
HGST	SATA	Ultrastar A7K1000	Enterprise	HUA721050KLA330	GKAOA80A	500 GB	3 Gb/s	✓
HGST	SATA	Ultrastar A7K1000	Enterprise	HUA721075KLA330	GKAOA80A	750 GB	3 Gb/s	✓
HGST	SATA	Ultrastar A7K1000	Enterprise	HUA721010KLA330	GKAOA80A	1 TB	3 Gb/s	✓
HGST	SATA	Ultrastar A7K2000	Enterprise	HUA722050CLA330	JKAOA3EA	500 GB	3 Gb/s	✓
HGST	SATA	Ultrastar A7K2000	Enterprise	HUA722010CLA330	JKAOA3EA	1 TB	3 Gb/s	✓
HGST	SATA	Ultrastar A7K2000	Enterprise	HUA722020ALA330	JKAOA3EA	2 TB	3 Gb/s	✓
HGST	SAS	Ultrastar C10K1200	Enterprise	HUC101212CSS600	A35A	1.2 TB	6 Gb/s	✓
HGST	SAS	Ultrastar C10K147	Enterprise	HUC101414CSS300	A210	147 GB	3 Gb/s	✓
HGST	SAS	Ultrastar C10K147	Enterprise	HUC101473CSS300	A210	73 GB	3 Gb/s	✓
HGST	SAS	Ultrastar C10K300	Enterprise	HUC103014CSS600	A120	147 GB	6 Gb/s	✓
HGST	SAS	Ultrastar C10K300	Enterprise	HUC103030CSS600	A120	300 GB	6 Gb/s	✓
HGST	SAS	Ultrastar C10K600	Enterprise	HUC106060CSS600	A202	600 GB	6 Gb/s	✓
HGST	SAS	Ultrastar C15K147	Enterprise	HUC151414CSS600	A330	147 GB	6 Gb/s	✓
HGST	SAS	Ultrastar C15K147	Enterprise	HUC151414CSS601	A330	147 GB	6 Gb/s	✓
HGST	SAS	Ultrastar C15K147	Enterprise	HUC151473CSS600	A330	73 GB	6 Gb/s	✓
HGST	SAS	Ultrastar C15K147	Enterprise	HUC151473CSS601	A330	73 GB	6 Gb/s	✓
HGST	SAS	Ultrastar C15K600	Enterprise	HUC156060CSS200	A210	600 GB	12 Gb/s	✓
HGST	SAS	Ultrastar C15K600	Enterprise	HUC156060CSS201 (SED*)	B128	600 GB	12 Gb/s	✓

Hard Disk Drives (HDDs)

HGST	SAS	Ultrastar C15K600	Enterprise	HUC156060CS4201 (4K Native & SED*)	B12B	600 GB	12 Gb/s	✓
HGST	SATA	Ultrastar 6He	Enterprise	HUS726060ALA640	AHGNT1E2	6 TB	6 Gb/s	✓
HGST	SAS	Ultrastar 6He	Enterprise	HUS726060ALS640	A1E2	6 TB	6 Gb/s	✓
Samsung	SATA	SpinPoint F3R	Enterprise	HE103SJ	1AJ10001	1 TB	3 Gb/s	✓
Samsung	SATA	SpinPoint F3	Desktop	HD103SJ	1AJ10001	1 TB	3 Gb/s	✓
Samsung	SATA	SpinPoint F4	Desktop	HD322GJ	1AR10001	320 GB	3 Gb/s	✓
Samsung	SATA	SpinPoint F4	Desktop	HD204UI	1AQ10001	2 TB	3 Gb/s	✓
Seagate	SATA	Barracuda	Desktop	ST320005N4A1AS	CC34	2 TB	3 Gb/s	✓
Seagate	SATA	Barracuda 7200.11	Desktop	ST3160813AS	SD1A	160 GB	3 Gb/s	✓
Seagate	SATA	Barracuda 7200.11	Desktop	ST3320613AS	SD1A	320 GB	3 Gb/s	✓
Seagate	SATA	Barracuda 7200.11	Desktop	ST3500320AS	SD1A	500 GB	3 Gb/s	✓
Seagate	SATA	Barracuda 7200.11	Desktop	ST3500620AS	SD1A	500 GB	3 Gb/s	✓
Seagate	SATA	Barracuda 7200.11	Desktop	ST3640323AS	SD1A	640 GB	3 Gb/s	✓
Seagate	SATA	Barracuda 7200.11	Desktop	ST3750630AS	SD1A	750 GB	3 Gb/s	✓
Seagate	SATA	Barracuda 7200.11	Desktop	ST3750330AS	SD1A	750 GB	3 Gb/s	✓
Seagate	SATA	Barracuda 7200.11	Desktop	ST31000333AS	CC1H	1 TB	3 Gb/s	✓
Seagate	SATA	Barracuda 7200.11	Desktop	ST31000340AS	SD1A	1 TB	3 Gb/s	✓
Seagate	SATA	Barracuda 7200.11	Desktop	ST31500341AS	SD1B	1.5TB	3 Gb/s	✓
Seagate	SATA	Barracuda 7200.12	Desktop	ST31000528AS	CC46	1 TB	3 Gb/s	✓
Seagate	SATA	Barracuda 7200.14	Desktop	ST3000DM001	CC4H	3 TB	6 Gb/s	✓
Seagate	SAS	Barracuda ES.2	Enterprise	ST3500620SS	0002	500 GB	3 Gb/s	✓
Seagate	SAS	Barracuda ES.2	Enterprise	ST3750630SS	0002	750 GB	3 Gb/s	✓
Seagate	SAS	Barracuda ES.2	Enterprise	ST31000640SS	0002	1 TB	3 Gb/s	✓
Seagate	SATA	Barracuda ES.2	Enterprise	ST3250310NS	SN06	250 GB	3 Gb/s	✓
Seagate	SATA	Barracuda ES.2	Enterprise	ST3500320NS	SN06	500 GB	3 Gb/s	✓
Seagate	SATA	Barracuda ES.2	Enterprise	ST3750330NS	SN06	750 GB	3 Gb/s	✓
Seagate	SATA	Barracuda ES.2	Enterprise	ST31000340NS	DN06	1 TB	3 Gb/s	✓
Seagate	SATA	Barracuda LP	Desktop	ST31000520AS	CC34	1 TB	3 Gb/s	✓
Seagate	SATA	Barracuda LP	Desktop	ST31500541AS	CC34	1.5 TB	3 Gb/s	✓
Seagate	SATA	Barracuda LP	Desktop	ST32000542AS	CC32, CC34	2 TB	3 Gb/s	✓
Seagate	SATA	Barracuda XT	Desktop	ST32000641AS	CC13	2 TB	6 Gb/s	✓
Seagate	SAS	Cheetah 15K.5	Enterprise	ST373455SS	0004	73 GB	3 Gb/s	✓
Seagate	SAS	Cheetah 15K.5	Enterprise	ST3146855SS	0004	146 GB	3 Gb/s	✓
Seagate	SAS	Cheetah 15K.5	Enterprise	ST3300655SS	0004	300 GB	3 Gb/s	✓
Seagate	SAS	Cheetah 15K.6	Enterprise	ST3146356SS	0003	146 GB	3 Gb/s	✓
Seagate	SAS	Cheetah 15K.6	Enterprise	ST3300656SS	0003	300 GB	3 Gb/s	✓
Seagate	SAS	Cheetah 15K.6	Enterprise	ST3450856SS	0003	450 GB	3 Gb/s	✓
Seagate	SAS	Cheetah 15K.7	Enterprise	ST3300657SS	0005, 0006, 000B	300 GB	6 Gb/s	✓
Seagate	SAS	Cheetah 15K.7	Enterprise	ST3450857SS	0005	450 GB	6 Gb/s	✓
Seagate	SAS	Cheetah 15K.7	Enterprise	ST3600057SS	0005	600 GB	6 Gb/s	✓
Seagate	SAS	Cheetah NS	Enterprise	ST3400755SS	0001	400 GB	3 Gb/s	✓
Seagate	SAS	Constellation	Enterprise	ST9500430SS	0002	500 GB	6 Gb/s	✓

Hard Disk Drives (HDDs)

Seagate	SAS	Constellation	Enterprise	ST9500431SS	0002	500 GB	6 Gb/s	✓
Seagate	SATA	Constellation	Enterprise	ST9160511NS	SN03	160 GB	3 Gb/s	✓
Seagate	SATA	Constellation	Enterprise	ST9500530NS	SN03	500 GB	3 Gb/s	✓
Seagate	SAS	Constellation ES	Enterprise	ST32000444SS	0004	2 TB	6 Gb/s	✓
Seagate	SAS	Constellation ES	Enterprise	ST2000NM0001	0002	2 TB	6 Gb/s	✓
Seagate	SATA	Constellation ES	Enterprise	ST500NM0011	SN02	500 GB	6 Gb/s	✓
Seagate	SATA	Constellation ES	Enterprise	ST1000NM0011	SN02	1 TB	6 Gb/s	✓
Seagate	SATA	Constellation ES	Enterprise	ST31000524NS	SN12	1 TB	3 Gb/s	✓
Seagate	SATA	Constellation ES	Enterprise	ST32000644NS	SN11	2 TB	3 Gb/s	✓
Seagate	SATA	Constellation ES	Enterprise	ST33000650NS	0001	3 TB	6 Gb/s	✓
Seagate	SAS	Constellation.2	Enterprise	ST91000640SS	0001	1 TB	6 Gb/s	✓
Seagate	SATA	Constellation.2	Enterprise	ST91000640NS	SN01	1 TB	6 Gb/s	✓
Seagate	SAS	Enterprise Capacity 3.5 (Constellation ES.3)	Enterprise	ST2000NM0034	E001	2 TB	12 Gb/s	✓
Seagate	SAS	Enterprise Capacity 3.5 (Constellation ES.3)	Enterprise	ST4000NM0023	A001	4 TB	6 Gb/s	✓
Seagate	SATA	Enterprise Capacity 3.5 (Constellation ES.3)	Enterprise	ST4000NM0033	0001, SN03	4 TB	6 Gb/s	✓
Seagate	SAS	Enterprise Capacity 3.5 (Constellation ES.3)	Enterprise	ST4000NM0043 (SED*)	0001	4 TB	6 Gb/s	✓
Seagate	SATA	Enterprise Capacity 3.5 (Constellation ES.3)	Enterprise	ST4000NM0053 (SED*)	0001	4 TB	6 Gb/s	✓
Seagate	SAS	Enterprise Capacity 3.5 HDD V.4	Enterprise	ST2000NM0014 (4K Native)	K001	2 TB	12 Gb/s	✓
Seagate	SATA	Enterprise Capacity 3.5 HDD V.4	Enterprise	ST5000NM0024	SN01	5 TB	6 Gb/s	✓
Seagate	SATA	Enterprise Capacity 3.5 HDD V.4	Enterprise	ST6000NM0024	SN02	6 TB	6 Gb/s	<i>Not tested</i>
Seagate	SAS	Enterprise Capacity 3.5 HDD V.4	Enterprise	ST6000NM0054 (SED*)	ET01	6 TB	12 Gb/s	<i>Not tested</i>
Seagate	SAS	Enterprise Capacity 3.5 HDD V.4	Enterprise	ST6000NM0074 (4K Native & SED*)	KT01	6 TB	12 Gb/s	<i>Not tested</i>
Seagate	SAS	Enterprise Performance (Savvio) 10K.2	Enterprise	ST973402SS	0002	73 GB	3 Gb/s	✓
Seagate	SAS	Enterprise Performance (Savvio) 10K.2	Enterprise	ST9146802SS	0002	146 GB	3 Gb/s	✓
Seagate	SAS	Enterprise Performance (Savvio) 10K.3	Enterprise	ST9146703SS	0006	146 GB	6 Gb/s	✓
Seagate	SAS	Enterprise Performance (Savvio) 10K.3	Enterprise	ST9146803SS	0006	146 GB	6 Gb/s	✓
Seagate	SAS	Enterprise Performance (Savvio) 10K.3	Enterprise	ST9300503SS	0006	300 GB	6 Gb/s	✓
Seagate	SAS	Enterprise Performance (Savvio) 10K.3	Enterprise	ST9300603SS	0006	300 GB	6 Gb/s	✓
Seagate	SAS	Enterprise Performance (Savvio) 10K.5	Enterprise	ST9900805SS	0004	900 GB	6 Gb/s	<i>Not tested</i>
Seagate	SAS	Enterprise Performance (Savvio) 10K.6	Enterprise	ST900MM0026	A001	900 GB	6 Gb/s	<i>Not tested</i>

Hard Disk Drives (HDDs)

Seagate	SAS	Enterprise Performance (Savvio) 10K.7	Enterprise	ST1200MM0017	0001	1.2 TB	6 Gb/s	✓
Seagate	SAS	Enterprise Performance (Savvio) 15K	Enterprise	ST936751SS	0001	36 GB	3 Gb/s	✓
Seagate	SAS	Enterprise Performance (Savvio) 15K	Enterprise	ST973451SS	0001	73 GB	3 Gb/s	✓
Seagate	SAS	Enterprise Performance (Savvio) 15K.2	Enterprise	ST9146852SS	0005	73 GB	6 Gb/s	✓
Seagate	SAS	Enterprise Performance (Savvio) 15K.2	Enterprise	ST973352SS	0005	73 GB	6 Gb/s	✓
Seagate	SAS	Enterprise Performance (Savvio) 15K.2	Enterprise	ST973452SS	0005	73 GB	6 Gb/s	✓
Seagate	SAS	Enterprise Performance (Savvio) 15K.2	Enterprise	ST9146752SS	0005	146 GB	6 Gb/s	✓
Seagate	SAS	Enterprise Performance 15K.4	Enterprise	ST300MP0034	E001	300 GB	6 Gb/s	✓
Seagate	SAS	Enterprise Performance 15K.4	Enterprise	ST300MP0064 (4K Native)	K001	300 GB	6 Gb/s	✓
Seagate	SAS	Enterprise Performance 15K.4	Enterprise	ST300MP0004	N001	300 GB	6 Gb/s	✓
Seagate	SAS	Enterprise Performance 15K.4	Enterprise	ST300MP0014 (SED*)	TN01	300 GB	6 Gb/s	✓
Seagate	SAS	Enterprise Performance 15K.4	Enterprise	ST300MP0074 (SED* & 4K Native)	TK01	300 GB	6 Gb/s	✓
Seagate	SAS	Enterprise Performance 15K.4	Enterprise	ST300MP0044 (SED*)	TE01	300 GB	6 Gb/s	✓
Seagate	SAS	Enterprise Performance 15K.5	Enterprise	ST300MX0012	52A2	300 GB	12 Gb/s	✓
Seagate	SAS	Enterprise Performance 15K.5	Enterprise	ST300MX0032 (4K Native)	42A2	300 GB	12 Gb/s	✓
Seagate	SAS	Enterprise Performance 15K HDD V.5	Enterprise	ST300MP0005	N001	300 GB	12 Gb/s	✓
Seagate	SAS	Enterprise Performance 15K HDD V.5	Enterprise	ST300MP0035	22A2	300 GB	12 Gb/s	✓
Seagate	SAS	Enterprise Performance 15K HDD V.5	Enterprise	ST300MP0065 (4K Native)	K001	300 GB	12 Gb/s	✓
Seagate	SAS	Enterprise Turbo SSHD	Enterprise	ST300MX0004	E001	300 GB	6 Gb/s	✓
Seagate	SAS	Enterprise Turbo SSHD	Enterprise	ST300MX0014 (SED*)	TE01	300 GB	6 Gb/s	✓
Seagate	SAS	Enterprise Turbo SSHD	Enterprise	ST300MX0034 (4K Native)	K001	300 GB	6 Gb/s	✓
Seagate	SAS	Enterprise Turbo SSHD	Enterprise	ST300MX0044 (SED* & 4K Native)	TK01	300 GB	6 Gb/s	✓
Seagate	SAS	Terascale HDD (Constellation CS)	Enterprise	ST3000NC000	CNS1	3 TB	6 Gb/s	✓
Seagate	SAS	Terascale HDD (Constellation CS)	Enterprise	ST4000NC000	CE02	4 TB	6 Gb/s	✓
Seagate	SAS	Terascale HDD (Constellation CS)	Enterprise	ST4000NC001	CN02	4 TB	6 Gb/s	✓
Seagate	SATA	Surveillance HDD	Desktop	ST4000VX000	CV12	4 TB	6 Gb/s	<i>Not tested</i>
Toshiba	SAS	AL13SEB*** Series	Enterprise	AL13SEB300	0101	300 GB	6 Gb/s	<i>Not tested</i>
Toshiba	SAS	AL13SEB*** Series	Enterprise	AL13SEB900	0101	900 GB	6 Gb/s	<i>Not tested</i>

Hard Disk Drives (HDDs)

Toshiba	SAS	MAV2*** RC Series	Enterprise	MAV2036RC	0110	36 GB	3 Gb/s	✓
Toshiba	SAS	MAV2*** RC Series	Enterprise	MAV2073RC	0110	73 GB	3 Gb/s	✓
Toshiba	SAS	MAX3*** RC Series	Enterprise	MAX3036RC	0102, 0104	36 GB	3 Gb/s	✓
Toshiba	SAS	MAX3*** RC Series	Enterprise	MAX3073RC	0102, 0104	73 GB	3 Gb/s	✓
Toshiba	SAS	MAX3*** RC Series	Enterprise	MAX3147RC	0104	147 GB	3 Gb/s	✓
Toshiba	SAS	MAY2*** RC Series	Enterprise	MAY2036RC	0103	36 GB	3 Gb/s	✓
Toshiba	SAS	MAY2*** RC Series	Enterprise	MAY2073RC	0103	73 GB	3 Gb/s	✓
Toshiba	SAS	MBA3*** RC Series	Enterprise	MBA3073RC	0103	73 GB	3 Gb/s	✓
Toshiba	SAS	MBA3*** RC Series	Enterprise	MBA3147RC	0103	147 GB	3 Gb/s	✓
Toshiba	SAS	MBA3*** RC Series	Enterprise	MBA3300RC	0103	300 GB	3 Gb/s	✓
Toshiba	SAS	MBB2*** RC Series	Enterprise	MBB2073RC	0105	73 GB	3 Gb/s	✓
Toshiba	SAS	MBB2*** RC Series	Enterprise	MBB2147RC	0105	147 GB	3 Gb/s	✓
Toshiba	SAS	MBC2*** RC Series	Enterprise	MBC2036RC	0104	36 GB	3 Gb/s	✓
Toshiba	SAS	MBC2*** RC Series	Enterprise	MBC2073RC	0104	73 GB	3 Gb/s	✓
Toshiba	SAS	MBD2*** RC Series	Enterprise	MBD2147RC	0102	147 GB	6 Gb/s	✓
Toshiba	SAS	MBD2*** RC Series	Enterprise	MBD2300RC	0102	300 GB	6 Gb/s	✓
Toshiba	SAS	MBE2*** RC Series	Enterprise	MBE2073RC	0103	73 GB	6 Gb/s	✓
Toshiba	SAS	MBE2*** RC Series	Enterprise	MBE2147RC	0103	147 GB	6 Gb/s	✓
Toshiba	SAS	MBF2*** RC Series	Enterprise	MBF2600RC	0107	600 GB	6 Gb/s	✓
Toshiba	SATA	MG03ACAxxx Series	Enterprise	MG03ACA300	FL1A	3 TB	6 Gb/s	<i>Not tested</i>
Toshiba	SATA	MG03ACAxxx Series	Enterprise	MG03ACA400	FL1A	4 TB	6 Gb/s	<i>Not tested</i>
Toshiba	SAS	MG03SCAxxx Series	Enterprise	MG03SCA200	0108	2 TB	6 Gb/s	<i>Not tested</i>
Toshiba	SAS	MG03SCAxxx Series	Enterprise	MG03SCA400	0108	4 TB	6 Gb/s	<i>Not tested</i>
Toshiba	SATA	MG04ACAxxxA Series	Enterprise	MG04ACA500A (4K Native)	FP1A	5 TB	6 Gb/s	✓
Toshiba	SATA	MG04ACAxxxE Series	Enterprise	MG04ACA500E	FP1B	5 TB	6 Gb/s	✓
Toshiba	SAS	MG04SCAxxxA Series	Enterprise	MG04SCA500A (4K Native)	0101	5 TB	6 Gb/s	<i>Not tested</i>
Toshiba	SATA	MHZ2 BK Series	Enterprise	MHZ2080BK	0000011E	80 GB	3 Gb/s	✓
Toshiba	SATA	MHZ2 BK Series	Enterprise	MHZ2120BK	0000011E	120 GB	3 Gb/s	✓
Toshiba	SATA	MHZ2 BK Series	Enterprise	MHZ2160BK	0000011E	160 GB	3 Gb/s	✓
Toshiba	SATA	MHZ2 BK Series	Enterprise	MHZ2250BK	0000011E	250 GB	3 Gb/s	✓
Toshiba	SATA	MHZ2 BS Series	Enterprise	MHZ2120BS	00000109	120 GB	1.5G	✓
Toshiba	SATA	MHZ2 BS Series	Enterprise	MHZ2250BS	00000109	250 GB	1.5G	✓
Toshiba	SATA	MJA2 BH Series	Desktop	MJA2250BH	00000018	250 GB	3 Gb/s	✓
Toshiba	SATA	MJA2 BH Series	Desktop	MJA2320BH	00000018	320 GB	3 Gb/s	✓
Toshiba	SATA	MJA2 BH Series	Desktop	MJA2400BH	00000018	400 GB	3 Gb/s	✓
Toshiba	SATA	MJA2 BH Series	Desktop	MJA2500BH	00000018	500 GB	3 Gb/s	✓
Toshiba	SAS	MKx001TRKB Series	Enterprise	MK1001TRKB	0105	1 TB	6 Gb/s	<i>Not tested</i>
Toshiba	SAS	MKx001TRKB Series	Enterprise	MK2001TRKB	0105	2 TB	6 Gb/s	<i>Not tested</i>
Toshiba	SATA	MKx002TSKB Series	Enterprise	MK1002TSKB	MT2A, MT4A	1 TB	3 Gb/s	<i>Not tested</i>
Toshiba	SATA	MKx002TSKB Series	Enterprise	MK2002TSKB	MT2A, MT4A	2 TB	3 Gb/s	<i>Not tested</i>
Toshiba	SATA	MKxx61GSYB Series	Enterprise	MK5061GSYB	ME0A	500 GB	3 Gb/s	✓
Western Digital	SATA	VelociRaptor	Desktop	WD1500BLFS	04.04V06	150 GB	3 Gb/s	✓
Western Digital	SATA	VelociRaptor	Desktop	WD1500HLFS	04.04V06	150 GB	3 Gb/s	✓

Hard Disk Drives (HDDs)

Western Digital	SATA	VelociRaptor	Desktop	WD3000BLFS	04.04V06	300 GB	3 Gb/s	✓
Western Digital	SATA	VelociRaptor	Desktop	WD3000GLFS	04.04V06	300 GB	3 Gb/s	✓
Western Digital	SATA	VelociRaptor	Desktop	WD3000HLFS	04.04V06	300 GB	3 Gb/s	✓
Western Digital	SATA	VelociRaptor	Desktop	WD6000BLHX	04.05G04	600 GB	6 Gb/s	✓
Western Digital	SATA	VelociRaptor	Desktop	WD1000DHTZ	04.06A00	1 TB	6 Gb/s	✓
Western Digital	SATA	WD Black	Desktop	WD1002FAEX	05.05D05	1 TB	6 Gb/s	✓
Western Digital	SAS	WD Re	Enterprise	WD1001FYYG	VR02	1 TB	6 Gb/s	✓
Western Digital	SAS	WD Re	Enterprise	WD2001FYYG	VR02	2 TB	6 Gb/s	✓
Western Digital	SAS	WD Re	Enterprise	WD3001FYYG	VR02	3 TB	6 Gb/s	✓
Western Digital	SAS	WD Re	Enterprise	WD4001FYYG	VR02	4 TB	6 Gb/s	✓
Western Digital	SATA	WD Re	Enterprise	WD2000FYYZ	01.01K01	2 TB	6 Gb/s	✓
Western Digital	SATA	WD Re	Enterprise	WD3000FYYZ	01.01K01	3 TB	6 Gb/s	✓
Western Digital	SATA	WD Re	Enterprise	WD4000FYYZ	01.01K01	4 TB	6 Gb/s	✓
Western Digital	SATA	WD Re	Enterprise	WD5001FXYZ (4K Native)	ERX2	5 TB	6 Gb/s	✓
Western Digital	SATA	WD RE3	Enterprise	WD2502ABYS	02.03B03	250 GB	3 Gb/s	✓
Western Digital	SATA	WD RE3	Enterprise	WD3202ABYS	02.03B03	320 GB	3 Gb/s	✓
Western Digital	SATA	WD RE3	Enterprise	WD5002ABYS	02.03B03	500 GB	3 Gb/s	✓
Western Digital	SATA	WD RE3	Enterprise	WD7502ABYS	03.00C06	750 GB	3 Gb/s	✓
Western Digital	SATA	WD RE3	Enterprise	WD1002FBYS	03.00C06	1 TB	3 Gb/s	✓
Western Digital	SATA	WD RE4	Enterprise	WD1003FBYX	01.01V02	1 TB	3 Gb/s	✓
Western Digital	SATA	WD RE4	Enterprise	WD2003FYYS	01.00D01, 01.01D01	2 TB	3 Gb/s	✓
Western Digital	SATA	WD RE4-GP	Enterprise	WD2002FYPS	04.05G05, 04.01G01	2 TB	3 Gb/s	✓
Western Digital	SATA	WD Se	Enterprise	WD1002F9YZ	01.01M02	1 TB	6 Gb/s	✓
Western Digital	SATA	WD Se	Enterprise	WD4000F9MZ (SED*)	1AX1	4 TB	6 Gb/s	✓
Western Digital	SATA	WD Se	Enterprise	WD4000F9YZ	01.01A01	4 TB	6 Gb/s	✓
Western Digital	SAS	WD Xe	Enterprise	WD9001BDHG (SED*)	SR07	900 GB	6 Gb/s	✓
Western Digital	SAS	WD Xe	Enterprise	WD1460BKFG	D0E0	146 GB	6 Gb/s	✓
Western Digital	SAS	WD Xe	Enterprise	WD3000BKFG	D0E0	300 GB	6 Gb/s	✓
Western Digital	SAS	WD Xe	Enterprise	WD4500BKFG	D0E0	450 GB	6 Gb/s	✓
Western Digital	SAS	WD Xe	Enterprise	WD4500BKHG	VG03	450 GB	6 Gb/s	✓
Western Digital	SAS	WD Xe	Enterprise	WD6000BKHG	VG03	600 GB	6 Gb/s	✓
Western Digital	SAS	WD Xe	Enterprise	WD3001BKHG	SR03	300 GB	6 Gb/s	✓
Western Digital	SAS	WD Xe	Enterprise	WD6001BKHG	SR03	600 GB	6 Gb/s	✓
Western Digital	SAS	WD Xe	Enterprise	WD9001BKHG	SR03, SR04	900 GB	6 Gb/s	✓
Western Digital	SAS	WD Xe	Enterprise	WD6001HKHG	SR07	600 GB	6 Gb/s	✓
Western Digital	SAS	WD Xe	Enterprise	WD9001HKHG	SR04	900 GB	6 Gb/s	✓

*SED: Drive Encryption not supported

Hard Disk Drives (HDDs)

Intelligent Power Management (IPM) 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 Power-Off Mode – drive completely spun down for maximum power savings.

'✓' indicates Adaptec testing resulted in reduced power in that particular power mode.

'N/A' indicates that the drive does not properly support Power-Off Mode.

'Not tested' indicates that Power-Off mode hasn't been tested.

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Solid State Drives (SSDs)



COMPATIBILITY REPORT

Compatibility Report for:

Adaptec RAID 7805

Adaptec RAID 71605 / 71605E

Adaptec RAID 71685 / 78165

Adaptec RAID 72405

Adaptec RAID 7805Q and 71605Q with maxCache 3.0*

*maxCache SSD support:

7805Q: up to 8 SSDs with a total capacity of 2 TB

71605Q: up to 16 SSDs with a total capacity of 2 TB

* Adaptec by PMC is committed to providing customers with a stable product that offers both, high performance and high reliability. Enterprise class hard drives and SSDs should always be used on an enterprise class system. Desktop or consumer class drives should not be used due to faster wear-out, I/O timeout incompatibilities, lower tolerances for vibration, and a lack of end-to-end data error detection and correction.

Hard drive and SSD manufacturers develop drives to meet specific customer requirements for reliability, capacity, and performance. Using drives outside of their intended application can negatively impact server productivity and data reliability. Please contact the drive manufacturer regarding usage guidelines.

Solid State Drives (SSDs)

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

Manufacturer	Interface	Family	Category *	Model	FW Revision	Capacity	Speed
Crucial	SATA	M4 SSD	Consumer	CT128M4SSD2	010G	128 GB	6 Gb/s
HGST	SAS	S842	Enterprise	S842X800M2	E4R7	800 GB	6 Gb/s
HGST	SAS	UltraStar SSD800MM	Enterprise	HUSMM8020ASS200	A100, A160	200 GB	12 Gb/s
HGST	SAS	UltraStar SSD800MM	Enterprise	HUSMM8040ASS200	A100, A160	400 GB	12 Gb/s
Intel	SATA	320 Series	Consumer	SSDSA2CT040G3	4PC10302	40 GB	3 Gb/s
Intel	SATA	320 Series	Consumer	SSDSA2CW160G3	4PC10302	160 GB	3 Gb/s
Intel	SATA	520 Series	Consumer	SSDSC2CW120A3	400i	120 GB	6 Gb/s
Intel	SATA	520 Series	Consumer	SSDSC2CW240A3	400i	240 GB	6 Gb/s
Intel	SATA	520 Series	Consumer	SSDSC2BW240A3	400i	240 GB	6 Gb/s
Intel	SATA	710 Series	Enterprise	SSDSA2BZ100G3	6PB10362	100 GB	3 Gb/s
Intel	SATA	DC S3500 Series	Enterprise	SSDSC2BB480G4T	D10A030D	480 GB	6 Gb/s
Intel	SATA	DC S3700 Series	Enterprise	SSDSC2BA400G3	5DV10250	400 GB	6 Gb/s
Intel	SATA	X25-E Extreme	Enterprise	SSDSA2SH064G1	045C8860	64 GB	3 Gb/s
Intel	SATA	X25-E Extreme	Enterprise	SSDSA2SH032G1	045C8860	32 GB	3 Gb/s
Intel	SATA	X25-M Mainstream	Consumer	SSDSA2M160G2	2CV102HD	160 GB	3 Gb/s

Solid State Drives (SSDs)

Kingston	SATA	SSDNow E50 Series	Enterprise	SE50S37/100GB	KE1ABBF0	100 GB	6 Gb/s
Kingston	SATA	SSDNow E50 Series	Enterprise	SE50S37/240GB	KE1ABBF0	240 GB	6 Gb/s
Kingston	SATA	SSDNow E50 Series	Enterprise	SE50S37/480GB	KE1ABBF0	480 GB	6 Gb/s
Kingston	SATA	SSDNow E100 Series	Enterprise	SE100S37/100G	510ABBF0	100 GB	6 Gb/s
Kingston	SATA	SSDNow KC300 Series	Enterprise	SKC300S37A/60G	524ABBF0	60 GB	6 Gb/s
Kingston	SATA	SSDNow KC300 Series	Enterprise	SKC300S37A/240G	524ABBF0	240 GB	6 Gb/s
Kingston	SATA	SSDNow KC300 Series	Enterprise	SKC300S37A/480G	524ABBF0	480 GB	6 Gb/s
Micron	SATA	M500DC	Enterprise	MTFDDAK120MBB-1AE1	0129	120 GB	6 Gb/s
Micron	SATA	P400m	Enterprise	MTFDDAK100MAN-1S1AA	0225	100 GB	6 Gb/s
Micron	SAS	P410m	Enterprise	MTFDEAK100MAS-1S1AA	0328	100 GB	6 Gb/s
Micron	SATA	RealSSD P300	Enterprise	MTFDDAC050SAL-1N1AA	0001	50 GB	6 Gb/s
OCZ Technology	SATA	Deneva 2 C Series MLC	Enterprise	D2CSTK251M11-0120	2.25	120 GB	6 Gb/s
OCZ Technology	SAS	Talos C Series	Enterprise	TALOS TCSAK352-0230	1.37	230 GB	6 Gb/s
OCZ Technology	SAS	Talos 2 C Series	Enterprise	TL2CSAK2G2M1X-0240	2.25	240 GB	6 Gb/s
OCZ Technology	SATA	Vertex 3 Series	Consumer	VTX3-25SAT3-120G	2.25	120 GB	6 Gb/s
OCZ Technology	SATA	Vertex 3 Series	Consumer	VTX3-25SAT3-240G	2.25	240 GB	6 Gb/s
Samsung	SATA	830 Series	Consumer	MZ7PC064HADR	CXM0101Q	64 GB	6 Gb/s
Samsung	SATA	830 Series	Consumer	MZ-7PC256D	CXM02W1Q	256 GB	6 Gb/s
Samsung	SATA	840 Pro Series	Consumer	MZ-7PD128	DXM03B0Q	128 GB	6 Gb/s
Samsung	SATA	845DC Pro	Enterprise	MZ-7WD400	DXV80X3Q	400 GB	6 Gb/s
Samsung	SATA	845DC Pro	Enterprise	MZ-7WD800	DXV8AX3Q	800 GB	6 Gb/s
Samsung	SATA	845DC EVO	Enterprise	MZ-7GE240	EXT03X3Q	240 GB	6 Gb/s
Samsung	SATA	845DC EVO	Enterprise	MZ-7GE480	EXT03X3Q	480 GB	6 Gb/s
Samsung	SATA	845DC EVO	Enterprise	MZ-7GE960	EXT03X3Q	960 GB	6 Gb/s
Samsung	SATA	850 PRO Series	Consumer	MZ-7KE128	EXM01B6Q	128 GB	6 Gb/s
Samsung	SATA	850 PRO Series	Consumer	MZ-7KE256	EXM01B6Q	256 GB	6 Gb/s
Samsung	SATA	850 PRO Series	Consumer	MZ-7KE512	EXM01B6Q	512 GB	6 Gb/s
Samsung	SATA	850 PRO Series	Consumer	MZ-7KE1TD	EXM01B6Q	1 TB	6 Gb/s
Samsung	SATA	PM853T	Enterprise	MZ7GE480HMHP	EXT0303Q	480 GB	6 Gb/s
Samsung	SATA	SM843 Series	Enterprise	MZ7PD480HAGM-000DA	DXM02W1Q	480 GB	6 Gb/s
Samsung	SATA	SM843T Series	Enterprise	MZ7WD240HAFV-00003	DXM85W3Q	240 GB	6 Gb/s
Samsung	SATA	SM843T Series	Enterprise	MZ7WD480HAGM-00003	DXM85W3Q	480 GB	6 Gb/s
Samsung	SATA	SM843T (FNT) 19nm	Enterprise	MZ7WD480HCGM-00003	DXM9103Q	480 GB	6 Gb/s
Samsung	SAS	SM1625	Enterprise	MZ6ER800HAGL-00003	DM08	800 GB	6 Gb/s
SanDisk	SATA	SSD X100	Consumer	SD5SB2-512G	4.0	512 GB	6 Gb/s
SanDisk	SATA	SSD X110	Consumer	SD6SB1M-064G	X230600	64 GB	6 Gb/s
SanDisk	SATA	SSD X210	Enterprise	SD6SBM-128G	X210400	128 GB	6 Gb/s
Seagate	SATA	600 SSD	Consumer	ST240HM000	C675	240GB	6 Gb/s
Seagate	SATA	600 Pro SSD	Consumer	ST120FP0021	B690	120GB	6 Gb/s

Solid State Drives (SSDs)

Seagate	SAS	1200 SSD	Enterprise	ST200FM0013	D409	200GB	12 Gb/s
Seagate	SAS	1200 SSD	Enterprise	ST200FM0053	0001, 0004	200GB	12 Gb/s
Seagate	SATA	Enterprise SATA SSD	Enterprise	ST120FN0021	B460	120 GB	6 Gb/s
Seagate	SATA	Enterprise SATA SSD	Enterprise	ST200FN0021	B550	200 GB	6 Gb/s
Seagate	SATA	Enterprise SATA SSD	Enterprise	ST240FN0021	B550	240 GB	6 Gb/s
Seagate	SATA	Pulsar.2	Enterprise	ST100FM0012	0004	100 GB	6 Gb/s
Seagate	SAS	Pulsar.2	Enterprise	ST100FM0002	0003	100 GB	6 Gb/s
Toshiba	SAS	PX02SMxxxx Series	Enterprise	PX02SMF020	01C7, 0204	200 GB	12 Gb/s
Toshiba	SATA	THNSNCxxxGBSJ Series	Consumer	THNSNC128GBSJ	CJRA0202	128 GB	3 Gb/s
Toshiba	SATA	THNSNCxxxGBSJ Series	Consumer	THNSNC256GBSJ	CJRA0202	256 GB	3 Gb/s
Toshiba	SATA	THNSNHxxxGCST Series	Consumer	THNSNH128GCST	HTXAN101	128 GB	6 Gb/s
Toshiba	SATA	THNSNJxxxPCS3 Series	Enterprise	THNSNJ120PCS3	J3ET6101	120 GB	6 Gb/s
Toshiba	SATA	THNSNJxxxPCS3 Series	Enterprise	THNSNJ480PCS3	J3ET6102	480 GB	6 Gb/s
Viking	SATA	Element	Enterprise	VRFS21100GBCNS	346A13F0	100 GB	3 Gb/s

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SAS Tape Drives and Libraries



COMPATIBILITY REPORT

Compatibility Report for:
Adaptec RAID 7805
Adaptec RAID 71605 / 71605E
Adaptec RAID 71685 / 78165
Adaptec RAID 72405
Adaptec RAID 7805Q and 71605Q with maxCache 3.0

SAS Tape Drives & Libraries				
Type	Manufacturer	Category	Model	FW Revision
SAS	HP	Tape	Ultrium 920	U29D
SAS	HP	Tape	LTO-4 Ultrium 1840 (EH859)	A63D
SAS	Quantum	Tape	LTO-5 (TC-L52AN-BR)	3180
SAS	Quantum	Tape Library	SuperLoader 3 L700 (EC-L2FAE-YF)	2190
SAS	Tandberg	Tape	LTO-4	94D4
SAS	Tandberg	Tape Library	StorageLibrary T24 LTO-5 HH SAS (2480-LTO)	Z51U

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Enclosures



COMPATIBILITY REPORT

Compatibility Report for:
 Adaptec RAID 7805
 Adaptec RAID 71605 / 71605E
 Adaptec RAID 71685 / 78165
 Adaptec RAID 72405
 Adaptec RAID 7805Q and 71605Q with maxCache 3.0

Enclosures								
Type	Manufacturer	Model	Expander Vendor	Expander Firmware Revision	SEP Vendor	SEP FW Revision	# of Bays	Speed
SAS/SATA	AIC	MiniBOD XJ-SA01-008-A1	N/A	N/A	N/A	N/A	8	3G/6G
SAS/SATA	AIC	RSC-3EG2-80R-SA1C1-0-R	N/A	N/A	Virtual SGPIO	0001	16	3G/6G
SAS/SATA	AIC	XJ3000-2242S	AIC SAS 6G Expander	0b05	N/A	N/A	24	3G/6G
SAS/SATA	AIC	XJ3000-4603	LSI SAS2x28 & SAS2x36	0b03	N/A	N/A	60	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	RM41800-D	N/A	N/A	N/A	N/A	24	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
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

Enclosures

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	24 / 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	JBOD2224S	Intel	0d00	N/A	N/A	24	6G
SAS/SATA	Intel	SR2625URBRPR	N/A	N/A	N/A	N/A	8	3G/6G
SAS/SATA	Intel	R2224GZ4GCSAS	N/A	N/A	N/A	N/A	24	3G/6G
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 743TQ (SAS743TQ)	N/A	N/A	N/A	N/A	8	3G/6G
SAS/SATA	Super Micro	SuperChassis 747TQ (SAS747TQ)	N/A	N/A	N/A	N/A	8	3G/6G
SAS/SATA	Super Micro	SuperChassis 826E16 (SAS826EL1)	LSI	0717	N/A	N/A	12	3G
SAS/SATA	Super Micro	SuperChassis 825TQ	N/A	N/A	N/A	N/A	8	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
SAS/SATA	Super Micro	SuperChassis 933E2-R760B	LSI SASX28	9 bootrecord 3.1	N/A	N/A	15	3G
SAS/SATA	Super Micro	SuperChassis 216E26	LSI SAS2X36	040f	N/A	N/A	24	6G
SAS/SATA	Super Micro	SuperChassis 219A	N/A	N/A	MG9072	0007	24	3G/6G
SAS/SATA	Super Micro	SuperChassis 836A	LSI SAS2X28	0417	N/A	N/A	16	6G
SAS/SATA	Super Micro	SuperChassis 846E1	LSI SAS2X36	0417	N/A	N/A	24	6G
SAS/SATA	Super Micro	SuperChassis 847E26	LSI SAS2X28	0417	N/A	N/A	36	6G
SAS/SATA	Super Micro	SuperChassis 936E26	LSI SAS2X28	0417	N/A	N/A	16	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

Enclosures

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

* A maximum of 25 or 24 SATA drives are supported. Slot 0 cannot be used with SATA drives.

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Host Systems / Motherboards



COMPATIBILITY REPORT

Compatibility Report for:
 Adaptec RAID 7805
 Adaptec RAID 71605 / 71605E
 Adaptec RAID 71685 / 78165
 Adaptec RAID 72405
 Adaptec RAID 7805Q and 71605Q with maxCache 3.0

Note: 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	PCI Express Revision	Memory	Memory Type
Asus	KCMA-D8	2001	AMD SR5670	AMD Opteron 4184 2.8GHz 6 Cores	2.0	4 GB	DDR3
Asus	KGPE-D16	3201	AMD G34	AMD Opteron 6128 2.0GHz 8 Cores	2.0	8 GB	DDR3
Asus	P7P55 WS Supercomputer	1201	Intel P55 NVIDIA NF200	Intel i7 3GHz	2.0	4 GB	DDR3
Asus	P6T WS Professional	1205	Intel X58	Intel i7 960 3.2GHz	2.0	4 GB	DDR3
Asus	P6T6 WS Revolution	905	Intel X58 NVIDIA NF200	Intel i7 960 3.2GHz	2.0	4 GB	DDR3
Asus	P6T7 WS Supercomputer	1001	Intel X58 NVIDIA NF200	Intel i7 960 3.2GHz	2.0	4 GB	DDR3
Asus	P7F-M	801	Intel 3420 PCH	Intel i7 870 3.2GHz	2.0	4 GB	DDR3
Asus	P8B-E/4L	1101	Intel C204	Intel Xeon E31220 3.1GHz QuadCore	2.0	8 GB	DDR3
Asus	P8B-M	6303	Intel C204	Intel Xeon E3-1220 3.1GHZ	3.0	8 GB	DDR3
Asus	P8B-X	6103	Intel C202	Intel Xeon E3-1220 3.1GHZ	3.0	8 GB	DDR3
Asus	P8Z68-V	3101	Intel Z68	Intel i7-3770 3.4GHz	3.0	4 GB	DDR3
Asus	P9D-I	702	Intel C222	Intel Xeon E3-1220 v3, 3.1GHz	3.0	16 GB	DDR3
Asus	Rampage IV Extreme	3404	Intel X79x64	Intel i7-3970X 3.5GHz	3.0	8 GB	DDR3
Asus	Z8NA-D6	1209	Intel 5500	Intel Xeon E5620 Quad Core 2.40GHz	2.0	4 GB	DDR3
Asus	Z8PE-D12X	1303	Intel 5520	Intel E5645 2.40GHz	2.0	8 GB	DDR3

Host Systems / Motherboards

Asus	Z9PE-D8 WS	5206	Intel C600/X79	Dual Intel Xeon CPU E5-2609 2.40GHz	3.0	8 GB	DDR3
Dell	PowerEdge 2970	04.02.2001	Broadcom HT-2100	AMD Opteron Quad-Core 2378 2.39 GHz	2.0	8 GB	DDR2
Dell	PowerEdge C2100	B23	Intel 5500	Intel Xeon E5620 2.4GHz Quad- Core	2.0	4 GB	DDR3
Dell	PowerEdge R510	1.10	Intel 5500	Intel Xeon E5630 2.5GHz	2.0	8 GB	DDR3
Dell	PowerEdge R610	3.0.0	Intel 5520	Intel Xeon E5520 2.27GHZ	2.0	4 GB	DDR3
Dell	PowerEdge R720	1.6.0	Intel C602	Intel Xeon E5-2603 1.80GHz	3.0	8 GB	DDR3
Dell	PowerEdge T110	1.8.2	Intel X3400	Intel X3430 2.4GHz	2.0	4 GB	DDR3
Dell	PowerEdge T300	1.3.0	Intel 5100	Intel Xeon E3113 3.00 GHz	2.0	4 GB	DDR2
HP	Z420 Workstation	2.15.1229	Intel C602	Intel Xeon E5-2640 2.50GHz	3.0	4 GB	DDR3
Intel	S1200BTL	BIOS 31 BMC 1.17 FRUSDR 1.16	Intel C204	Intel i3-2100 3.1GHz	2.0	4 GB	DDR3
Intel	S1200BTS	41	Intel C202	Intel Xeon E3-1220V2 3.10GHz	2.0	4 GB	DDR3
Intel	S2400SC	1.02.1002	Intel C602 (-A)	Intel Xeon E5-2420 1.90GHz	3.0	4 GB	DDR3
Intel	S2600CO	SE5C600.86B.01.02.0005	Intel C600	Intel Xeon E5-2603 1.80GHz	3.0	4 GB	DDR3
Intel	S2600CP	SE5C600.86B.01.06.0001	Intel C600-A	Intel Xeon E5-2603 1.80GHz	3.0	8 GB	DDR3
Intel	S2600CP2	01.06.0002	Intel C600	Intel Xeon E5-2603 1.80GHz	3.0	8 GB	DDR3
Intel	S2600GL	SE5C600.86B.01.06.0002	Intel X79	Intel Xeon E5-2603 1.80GHz	3.0	4 GB	DDR3
Intel	S2600GZ4	2.02.0002	Intel C602	Intel Xeon E5-2603 1.80GHz	3.0	4 GB	DDR3
Intel	S3420GP	S3420GP.86B.01.00.0051	Intel C602	Intel Xeon X3430 2.40GHz	2.0	8 GB	DDR3
Intel	S5000PSL	BIOS 98 BMC 65 FRU 48	Intel 5000P	Intel Xeon 2.66GHz	1.1	2 GB	DDR2 533
Intel	S5520HC	S5500.86B.01.00.0050	Intel 5520	Intel Xeon Dual Core E5502	2.0	4 GB	DDR3
Intel	S5520SC	BIOS 63 BMC 00.61 FRUSDR 33	Intel 5520	Intel Xeon Dual Core E5502	2.0	2 GB	DDR3
Intel	S5520UR	01.00.0061	Intel 5520	Intel Xeon E5-2603 1.80GHz	2.0	4 GB	DDR3
Intel	SE7525RP2	AMI P.05 .00.0020	Intel E7525	Intel Xeon 2.80GHz	1.1	2 GB	DDR2 400
Intel	SR2500 ALBRP (S5000PAL)	BIOS 101 BMC 68 FRU 48	Intel 5000P	Intel Dual Core Xeon 3.0GHz	1.1	1 GB	DDR2
NEC	Express 5800 R120d-2e	4.6.0007	Intel C602	Intel Xeon E5-2430 2.00GHz	3.0	6 GB	DDR3
Super Micro	C7Z87	1.0a	Intel Z87	Intel i7-4770S 3.10GHz	3.0	4 GB	DDR3
Super Micro	H8DGi-F	3.5	AMD SR5690/SP5100	AMD Opteron 6238 2.60GHz	2.0	4 GB	DDR3

Host Systems / Motherboards

Super Micro	H8Dli+-F	1.0b	AMD SR5690	AMD Opteron 2378 2.40GHz	2.0	4 GB	DDR3
Super Micro	X6DHE-G2	2.0b	Intel E7520	Intel Dual Core Xeon 2.80GHz	1.1	8 GB	DDR 333
Super Micro	X7DB3	2.1c	Intel 5000P	Intel Xeon 3.2GHz	1.1	8 GB	DDR3
Super Micro	X8DAH	2.67	Intel 5520	Intel Xeon E5504 2.0GHz	2.0	4 GB	DDR3
Super Micro	X8DAi	2.1a	Intel 5520/5500	Intel Quad Core Xeon 3.2GHz	2.0	2 GB	DDR3
Super Micro	X8DTE	2.0a	Intel 5520	Intel Xeon E5502 1.87GHz	2.0	8 GB	DDR3
Super Micro	X8DTE-F	2.0	Intel 5520	Intel Xeon L5520 2.26GHz	2.0	2 GB	DDR3
Super Micro	X8DTH-iF	2.1b	Intel 5520	Intel Xeon L5520 2.26GHz	2.0	2 GB	DDR3
Super Micro	X8DTL-iF	2.1a	Intel 5500	Intel Xeon E5620 2.40GHz	2.0	8 GB	DDR3
Super Micro	X8DTN+	2.1c	Intel 5520	Intel Xeon X5570 2.93GHz	2.0	2 GB	DDR3
Super Micro	X8DTi-F	2.0c	Intel 5520	Intel Xeon L5520 2.27GHz	2.0	2 GB	DDR3
Super Micro	X8STI	2.0	Intel X58 Express	Intel i7 920 2.67GHz	2.0	4 GB	DDR3
Super Micro	X9DAi	2.0	Intel C602	Intel Xeon 2.0GHz	3.0	16 GB	DDR3
Super Micro	X9DRD-iF	3.0	Intel C602	Intel Xeon E5-2670 2.60GHz	3.0	4 GB	DDR3
Super Micro	X9DRG-QF	3.0a	Intel C602	Dual Xeon E5-2630 6 cores 2.30GHz	3.0	8 GB	DDR3
Super Micro	X9DRH-iF	1.0c	Intel C602	Intel Xeon E5-2609 2.40GHz	3.0	16 GB	DDR3
Super Micro	X9DRH-7TF	2.0	Intel C602	Intel Xeon E5-2609 2.4	3.0	16 GB	DDR3
Super Micro	X9DRi-F	3.0a	Intel C602	Intel Xeon E5-2670 2.60GHz	3.0	16 GB	DDR3
Super Micro	X9DRi-LN4F+	3.0a	Intel C602	Dual Xeon 6 cores E5-2600 2.0GHz	3.0	16 GB	DDR3
Super Micro	X9DRL-3F	3.0a	Intel C606	Intel Xeon E5620 2.4GHz	3.0	16 GB	DDR3
Super Micro	X9DRW-3LN4F+	2.00	Intel C606	Dual Intel E5-2609 2.4Ghz	3.0	16 GB	DDR3
Super Micro	X9SCL	2.0b	Intel C202 PCH	Intel Xeon E3-1220 3.10 GHz	3.0	4 GB	DDR3
Super Micro	X9SRi-F	3.0	Intel C602	Intel Xeon E5 2620 2.00GHz	3.0	16 GB	DDR3
Super Micro	X9SRi-3F	2.0	Intel C606	Intel Xeon E5-2620 2.0GHz	3.0	16 GB	DDR3
Super Micro	X10SLM-F	1.1a	Intel C224 Express PCH	Intel Xeon E3-1240 v3 3.40GHz	3.0	4 GB	DDR3
Tyan	S5510GM3NR	1.03	Intel C204	Intel Xeon E31220 3.1GHz QuadCore	3.0	8 GB	DDR3
Tyan	S7002GM2NR-LE	1.10b	Intel 5500	Xeon 2.13GHz E5506	3.0	4 GB	DDR3
Tyan	S7012	3.01	Intel 5520	Intel Xeon L5520 2.27GHz	2.0	4 GB	DDR3
Tyan	S7052	3.00	Intel C600	Intel E5-2620 2.0GHz	3.0	4 GB	DDR3

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