



LSI SAS6160 Switch Hardware Compatibility List

This represents basic compatibility and is only a guide to hardware which is known to function with LSI SAS6160 Switch.

Updated 02/06/2013

Controllers ♦ SAS/SATA Enclosures ♦ Storage Systems ♦ Cables

The End User Center of Competence performs comprehensive functionality testing in order to demonstrate compatibility of the SAS Switch product line. The listed components represent the compatibility guide for the direct attached storage ecosystem based on our findings. Testing consists of individual test cases specific to Initiators and targets, and includes RAID functionality across all supported RAID levels, basic enclosure SES functions (Drive Locate, Array locate, fan poling, temperature, power supply information, enclosure information), enclosure power cycles during IO and physical drive pulls

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RAID Controllers

Manufacturer	Model	Memory	FW Version	HWR Revision
LSI	MegaRAID SAS 9286-8e	1024MB DDR3	3.230.05-2100	D1
	MegaRAID SAS 9286CV-8e	1024MB DDR3	3.230.05-2100	D1
	MegaRAID SAS 9285CV-8e	1024MB DDR3	3.230.05-2100	C0
	MegaRAID SAS 9285-8e	512MB/1024MB DDR3	3.230.05-2100	B0
	MegaRAID SAS 9280-24i4e	512MB DDR2	2.130.373-2022	B2 /B3
	MegaRAID SAS 9280-16i4e	512MB DDR2	2.130.373-2022	B2 /B3
	MegaRAID SAS 9280-8e	512MB DDR2	2.130.373-2022	B3
	MegaRAID SAS 9280DE-8e	512MB DDR2	2.130.373-2022	B3
	MegaRAID SAS 9280-4i4e	512MB DDR2	2.130.373-2022	B3
	3Ware 9750-24i4e	512MB DDR2	5.12.00.013	B0
	3Ware 9750-16i4e	512MB DDR2	5.12.00.013	B0
	3Ware 9750-4i4e	512MB DDR2	5.12.00.013	B0
	3Ware 9750-8e	512MB DDR2	5.12.00.013	B0
INTEL	Intel® RAID controller RS25SB008	1024MB DDR3	3.160.15-1559	C0
	Intel® RAID controller RS25NB008	512MB/1024MB DDR3	3.140.15.1320	B0
	Intel® RAID controller RS2SG244SNGL	512MB DDR2	2.130.293-1580	B2 /B3
	Intel® RAID controller RS2PI008	512MB DDR2	2.130.293-1580	B3
	Intel® RAID controller RS2PI008DE	512MB DDR2	2.130.293-1580	B3
	Intel® RAID controller RS2MB044	512MB DDR2	2.130.293-1580	B3

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Host Bus Adapters			
Manufacturer	Model	FW Version	HWR Revision
LSI	LSI SAS 9207-4i4e8	15.00.00.00	D1
	LSI SAS 9207-8e	15.00.00.00	D1
	SAS 9205-8e	15.00.00.00	B0
	SAS 9212-4i4e	15.00.00.00	B1
	SAS 9201-16e	15.00.00.00	B1
	SAS 9200-8e	15.00.00.00	B2
INTEL	Intel® SAS controller RS25FB044	13.00.57.00	D1
	Intel® SAS controller RS25GB008	13.00.57.00	B0

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SAS/SATA Enclosures

Manufacturer	Model /Family	Enclosure Type	Expander Mfg.	FW Version	HDD Count	Drive Interface Type	Drive Form Factor	Transfer Rate	Zoning Support
AIC	XJ3000-4243	3U	LSI	0601	24	SAS /SATA	3.5"	6Gb/s	Yes
	XJ3000-3163	4U	LSI	0601	16	SAS /SATA	3.5"	6Gb/s	Yes
Astek	A33606-PCI-01-SAS2	Expander card	LSI	7.2.0.1	24	SAS /SATA	2.5"/3.5"	6Gb/s	Yes
Chenbro	CK22803H0C01	Expander Card	LSI	0602	16	SAS /SATA	n/a	6Gb/s	Yes
	CK23601H0C01	Expander Card	LSI	0602	24	SAS /SATA	n/a	6Gb/s	Yes
DataOn	DNS-1600	4U	LSI	1725	24	SAS /SATA	3.5"	6Gb/s	Yes
	DNS-1640	2U	PMC Sierra	A419	24	SAS /SATA	3.5"	6Gb/s	No
Dell	MD1200	2U Enclosure	LSI	1.01	12	SAS /SATA	3.5"	6Gb/s	No
	MD1220	2U Enclosure	LSI	1.01	24	SAS /SATA	2.5"	6Gb/s	No
Dot Hill	AssuredSan 3120	2U	PMC Sierra	1123	24	SAS /SATA	2.5"	6Gb/s	No
INTEL	JBOD2224S2DPBPP	2U Enclosure	LSI	0D00	24	SAS/SATA	2.5"	6Gb/s	Yes
	RES2CV360	Expander Board	LSI	0D00	36	SAS/SATA	2.5"	6Gb/s	Yes
	RES2CV240	Expander Board	LSI	0D00	24	SAS/SATA	2.5"	6Gb/s	Yes
	RES2SV240	Expander Board	LSI	0D00	24	SAS/SATA	2.5"	6Gb/s	Yes
LSI	620J	2U	LSI	031B	24	SAS /SATA	2.5"	6Gb/s	Yes
	630J	2U	LSI	031B	12	SAS /SATA	3.5"	6Gb/s	Yes
Newysis	NDS-2241	2U Enclosure	PMC Sierra	4.2	24	SAS /SATA	2.5"	6Gb/s	No
Promise	VTrack J830s	4U	PMC Sierra	060	24	SAS /SATA	3.5"	6Gb/s	No
Supermicro	CSE-847E16-RJBOD1	4U	LSI	707	45	SAS /SATA	3.5"	6Gb/s	Yes
Xyratex	OneStor SP-2424	4U	PMC Sierra	2004	24	SAS /SATA	3.5"	6Gb/s	No

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SAS/SATA Storage Systems

Manufacturer	Model /Family	Enclosure Type	Expander Mfg.	FW Version	Drive Interface Type	HDD Count	Drive Form Factor	Transfer Rate
LSI	CTS2600	2U	LSI	0183	SAS /SATA	24	2.5"	6Gb/s
IBM	DS3500	2U	LSI	07.70.16.01	SAS /SATA	24	2.5"	6Gb/s
Dot Hill	AssuredSAN 3530	2U	PMC Sierra	1123	SAS /SATA	24	2.5"	6Gb/s
Nexsan	E60	4U	LSI	V10A/Q011.1014	SAS /SATA	60	3.5"	6Gb/s
	E48	4U	LSI	V10A/Q011.1014	SAS /SATA	48	3.5"	6Gb/s
	E18	2U	LSI	V10A/Q011.1014	SAS /SATA	18	3.5"	6Gb/s
Promise	Vtrack E610s	3U	PMC Sierra	3.36.00	SAS /SATA	16	3.5"	3Gb/s

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Tape Drive							
Manufacturer	Interface (SAS/SATA)	Support Generation	Model	Type	Capacity	Dimension WxHxL (inch)	Device Type
HP Storageworks	SAS	6Gb/s	HP StoreEver LTO-6 Ultrium	LTO-6	2.5/6.25TB	8.8" x 3" x 11.7"	External
	SAS	6Gb/s	LTO-5 Ultrium 3000 (EH958A)	LTO-5	1.5/3.0TB	8" x 3" x 11.5"	External
Quantum	SAS	6Gb/s	Quantum LTO-5 HH SAS	LTO	1 TB	8.82/3.11/11.85	External

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Unified Storage Router					
Manufacturer	Interface	Support Generation	Model	FW	Device Type
Chelsio	SAS	6Gb/s	USR-110	2.0.1-31	Storage Router

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Cables			
Brand	Model /Part Number	Description	Length (M)
Amphenol	AIPC S55502JJ02 rev. C	External Mini SAS (SFF8088) to MiniSAS (SFF-8088)	1
CS Electronics	iSAS-8888/.5m	External Mini-SAS 26-ckt TO External Mini-SAS 26-ckt (SFF-8088 to SFF-8088)	0.5
	iSAS-8888/1m	External Mini-SAS 26-ckt TO External Mini-SAS 26-ckt (SFF-8088 to SFF-8088)	1
	iSAS-8888/2m	External Mini-SAS 26-ckt TO External Mini-SAS 26-ckt (SFF-8088 to SFF-8088)	2
	iSAS-8888/3m	External Mini-SAS 26-ckt TO External Mini-SAS 26-ckt (SFF-8088 to SFF-8088)	3
	iSAS-8888/4m	External Mini-SAS 26-ckt TO External Mini-SAS 26-ckt (SFF-8088 to SFF-8088)	4
Jess-Link	P16000TE01000-01111	External Mini SAS (SFF8088) to MiniSAS (SFF-8088)	1
LSI 3ware	CBL-SFF8088ASAS2-200M	Multi-lane external (SFF8088), Active cable keying	20
	CBL-SFF8088ASAS2-100M	Multi-lane external (SFF8088), Active cable keying	10
	CBL-SFF8088SAS-20M	External Mini SAS (SFF8088) to MiniSAS (SFF-8088)	2
	CBL-SFF8088SAS-10M	External Mini SAS (SFF8088) to MiniSAS (SFF-8088)	1
Molex	74547-0125	External Mini SAS (SFF8088) to MiniSAS (SFF-8088)	6
	74547-0301	External Mini SAS (SFF8088) to MiniSAS (SFF-8088)	1
	74547-03016228	External Mini SAS (SFF8088) to MiniSAS (SFF-8088)	0.5
	74547-0101	External Mini SAS (SFF8088) to MiniSAS (SFF-8088)	1
	74547-20536111	External Mini SAS (SFF8088) to MiniSAS (SFF-8088)	3
	74547-0123	External Mini SAS (SFF8088) to MiniSAS (SFF-8088)	4
	74547-0302	External Mini SAS (SFF8088) to MiniSAS (SFF-8088)	2
Serial Cables, LLC	SA-8888IC-10m	Multi-lane external (SFF8088), Active cable keying	10
	SA-8888IC-20m	Multi-lane external (SFF8088), Active cable keying	20

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Cables			
Brand	Model /Part Number	Description	Length (M)
TCC	212626-5000MM 4707	External Mini SAS (SFF8088) to MiniSAS (SFF-8088)	5
	212626-1000MM	External Mini SAS (SFF8088) to MiniSAS (SFF-8088)	1
Tech Cable	212626-1000MM	External Mini SAS (SFF8088) to MiniSAS (SFF-8088)	1
	212626-3000MM	External Mini SAS (SFF8088) to MiniSAS (SFF-8088)	3
	21626-5000MM	External Mini SAS (SFF8088) to MiniSAS (SFF-8088)	5