



**Storage Adapter**  
**Product Selector Guide**  
2009

## MegaRAID® Solutions

MegaRAID	Ordering Part No.	PKG	Host Bus Type	Channel/Ports	I/O Processor	External Connector	Internal Connector	Battery Option	Memory (MB)	No. of Drives Supported	RAID Levels	Cable(s) Included in Kit
<b>6 Gb/s SATA+SAS RAID CONTROLLERS</b>												
MegaRAID® SAS 9280-8e	LSI00205	SGL	PCI Express® 2.0 x8	8	LSI SAS2108 ROC	2 x SAS SFF-8088 x4	N/A	LSIIBBU07	512	240	0, 1, 5, 6, 10, 50, 60	N/A
MegaRAID SAS 9280DE-8e	LSI00207	SGL	PCI Express 2.0 x8	8	LSI SAS2108 ROC	2 x SAS SFF-8088 x4	N/A	LSIIBBU07	512	240	0, 1, 5, 6, 10, 50, 60	N/A
MegaRAID SAS 9260-8i	LSI00202 LSI00198	KIT SGL	PCI Express 2.0 x8	8	LSI SAS2108 ROC	N/A	2 x SAS SFF-8087 x4	LSIIBBU07	512	32	0, 1, 5, 6, 10, 50, 60	Two Mini-SAS to (4) SATA
MegaRAID SAS 9260DE-8i	LSI00206	SGL	PCI Express 2.0 x8	8	LSI SAS2108 ROC	N/A	2 x SAS SFF-8087 x4	LSIIBBU07	512	32	0, 1, 5, 6, 10, 50, 60	N/A
MegaRAID SAS 9260-4i	LSI00201 LSI00197	KIT SGL	PCI Express 2.0 x8	4	LSI SAS2108 ROC	N/A	1 x SAS SFF-8087 x4	LSIIBBU07	512	32	0, 1, 5, 6, 10, 50, 60	One Mini-SAS to (4) SATA
<b>3 Gb/s SATA+SAS RAID CONTROLLERS</b>												
MegaRAID SAS 8888ELP	LSI00142	KIT	PCI Express x8	8 selectable	LSI SAS1078 ROC	2 x SAS SFF-8088 x4	2 x SAS SFF-8087 x4	LSIITBBU03, LSIIBBU05	512	240	0, 1, 5, 6, 10, 50, 60	One Mini-SAS to (4) SATA+SAS One Mini-SAS to (4) SATA
MegaRAID SAS 8880EM2	LSI00159	SGL	PCI Express x8	8	LSI SAS1078 ROC	2 x SAS SFF-8088 x4	N/A	LSIIBBU07	512	240	0, 1, 5, 6, 10, 50, 60	N/A
MegaRAID SAS 84016E	LSI00137	SGL	PCI Express x8	16	IOP333	N/A	4 x SAS SFF-8087 x4	LSI00012-F	256	122	0, 1, 5, 6, 10, 50, 60	N/A
MegaRAID SAS 8708EM2	LSI00158	KIT	PCI Express x8	8	LSI SAS1078 ROC	N/A	2 x SAS SFF-8087 x4	LSIIBBU06	128	32	0, 1, 5, 6, 10, 50, 60	Two Mini-SAS to (4) SATA
MegaRAID SAS 8708ELP	LSI00141	KIT	PCI Express x4	8	LSI SAS1078 ROC	N/A	2 x SAS SFF-8087 x4	LSIIBBU05	128	16	0, 1, 5, 6, 10, 50, 60	Two Mini-SAS to (4) SATA
MegaRAID SAS 8704EM2	LSI00177 LSI00181	KIT SGL	PCI Express x8	4	LSI SAS1078 ROC	N/A	1 x SAS SFF-8087 x4	LSIIBBU06	128	32	0, 1, 5, 6, 10	One Mini-SAS to (4) SATA
MegaRAID SAS 8704ELP	LSI00144	KIT	PCI Express x4	4	LSI SAS1078 ROC	N/A	1 x SAS SFF-8087 x4	LSIIBBU05	128	16	0, 1, 5, 6, 10	One Mini-SAS to (4) SATA
MegaRAID SAS 8208ELP	LSI00108	KIT	PCI Express x4	8	N/A	N/A	2 x SAS SFF-8087 x4	N/A	N/A	8	0, 1, 5, 10	Two Mini-SAS to (4) SATA
MegaRAID SAS 8204ELP	LSI00132	KIT	PCI Express x4	4	N/A	N/A	1 x SAS SFF-8087 x4	N/A	N/A	4	0, 1, 5, 10	One Mini-SAS to (4) SATA
<b>ULTRA320 SCSI RAID CONTROLLERS</b>												
MegaRAID SCSI 320-2E	LSI00008-F	SGL	PCI Express x8	2	IOP332	2 x 68-pin VHDCI	2 x 68-pin HD	LSI00009-F	128	30	0, 1, 5, 10, 50	N/A

## 3ware® Solutions

3ware	Ordering Part No.	PKG	Host Bus Type	Channel/Ports	Form Factor	External Connector	Internal Connector	Battery Option	Memory (MB)	No. of Drives Supported	RAID Levels	Cable(s) Included in Kit
<b>3 Gb/s SATA+SAS RAID CONTROLLERS</b>												
9690SA-8I	9690SA-8I-KIT 9690SA-8I-SGL 9690SA-8I-10PK	KIT SGL 10PK	PCI Express x8	8	Low profile	N/A	2 x SAS SFF-8087 x4	BBU-MODULE-04	512	128	0, 1, 5, 6, 10, 50, Single Disk	(2) CBL-SFF8087-06M 60cm Multi-lane SATA+SAS
9690SA-8E	9690SA-8E-KIT 9690SA-8E-SGL 9690SA-8E-10PK	KIT SGL 10PK	PCI Express x8	8	Low profile	2 x SAS SFF-8088 x4	N/A	BBU-MODULE-04	512	128	0, 1, 5, 6, 10, 50, Single Disk	(2) CBL-SFF8088SAS-10M 1m Multi-lane SAS
9690SA-4I4E	9690SA-4I4E-KIT 9690SA-4I4E-SGL 9690SA-4I4E-10PK	KIT SGL 10PK	PCI Express x8	8	Low profile	1 x SAS SFF-8088 x4	1 x SAS SFF-8087 x4	BBU-MODULE-04	512	128	0, 1, 5, 6, 10, 50, Single Disk	(1) CBL-SFF8088SAS-10M 1m Multi-lane SAS, (1) CBL-SFF8087-06M 60cm Multi-lane SATA+SAS
9690SA-4I	9690SA-4I-KIT 9690SA-4I-SGL 9690SA-4I-10PK	KIT SGL 10PK	PCI Express x8	4	Low profile	N/A	1 x SAS SFF-8087 x4	BBU-MODULE-04	512	128	0, 1, 5, 6, 10, 50, Single Disk	(1) CBL-SFF8087-06M 60cm Multi-lane SATA+SAS

3ware	Ordering Part No.	PKG	Host Bus Type	Channel/Ports	Form Factor	External Connector	Internal Connector	Battery Option	Memory (MB)	No. of Drives Supported	RAID Levels	Cable(s) Included in Kit
<b>3 Gb/s SATA RAID CONTROLLERS</b>												
9650SE-2LP	9650SE-2LP-KIT 9650SE-2LP-SGL 9650SE-2LP-10PK	KIT SGL 10PK	PCI Express x1	2	Low profile	N/A	2 x 7-pin SATA	N/A	128	2	0, 1, Single Disk, JBOD	(2) CBL-SATA-39 1m SATA cables
9650SE-4LPML	9650SE-4LPML-KIT 9650SE-4LPML-SGL 9650SE-4LPML-10PK	KIT SGL 10PK	PCI Express x4	4	Low profile	N/A	1 x SAS SFF-8087 x4	BBU-MODULE-04, BBU-MODULE-03	256	4	0, 1, 5, 10, Single Disk, JBOD	(1) CBL-SFF80870CF-06M 60cm multi-lane breakout cable
9650SE-8LPML	9650SE-8LPML-KIT 9650SE-8LPML-SGL 9650SE-8LPML-10PK	KIT SGL 10PK	PCI Express x4	8	Low profile	N/A	2 x SAS SFF-8087 x4	BBU-MODULE-04, BBU-MODULE-03	256	8	0, 1, 5, 6, 10, 50, Single Disk, JBOD	(2) CBL-SFF80870CF-06M 60cm multi-lane breakout cables
9650SE-12ML	9650SE-12ML-KIT 9650SE-12ML-SGL 9650SE-12ML-10PK	KIT SGL 10PK	PCI Express x8	12	Full height	N/A	3 x SAS SFF-8087 x4	BBU-MODULE-04, BBU-MODULE-03	256	12	0, 1, 5, 6, 10, 50, Single Disk, JBOD	(3) CBL-SFF80870CF-06M 60cm multi-lane breakout cables
9650SE-16ML	9650SE-16ML-KIT 9650SE-16ML-SGL 9650SE-16ML-10PK	KIT SGL 10PK	PCI Express x8	16	Full height	N/A	4 x SAS SFF-8087 x4	BBU-MODULE-04, BBU-MODULE-03	256	16	0, 1, 5, 6, 10, 50, Single Disk, JBOD	(4) CBL-SFF80870CF-06M 60cm multi-lane breakout cables
9650SE-24M8	9650SE-24M8-KIT 9650SE-24M8-SGL	KIT SGL	PCI Express x8	24	Full height	N/A	Multi-lane custom hybrid	BBU-MODULE-04, BBU-MODULE-03	512	24	0, 1, 5, 6, 10, 50, Single Disk, JBOD	(3) CBL-M8ML-06M 0.6m multi-lane M8-to-SFF8087 "Y" cables
9550SXU-4LP	9550SXU-4LP-KIT 9550SXU-4LP-SGL 9550SXU-4LP-10PK	KIT SGL 10PK	64-bit, 133MHz PCI-X™	4	Low profile	N/A	4 x 7-pin SATA	BBU-MODULE-04, BBU-MODULE-03	128	4	0, 1, 5, 10, Single Disk, JBOD	(4) 24-in SATA cables
9550SXU-8LP	9550SXU-8LP-KIT 9550SXU-8LP-SGL 9550SXU-8LP-10PK	KIT SGL 10PK	64-bit, 133MHz PCI-X	8	Low profile	N/A	8 x 7-pin SATA	BBU-MODULE-04, BBU-MODULE-03	128	8	0, 1, 5, 10, 50, Single Disk, JBOD	(8) CBL-SATA-39 1m SATA cables

## Host Bus Adapter Solutions

HBA	Ordering Part No.	PKG	Host Bus Type	Channel/Ports	Bootable	External Connector	Internal Connector	No. of Devices Supported	Form Factor	Transfer Rate/Sec	RAID Levels	Cable(s) Included in Kit
<b>3 Gb/s SATA+SAS HBAs</b>												
LSISAS3442E-R	LSI00110 LSI00167	KIT SGL	PCI Express x8	8	Yes	1 x SAS SFF-8470 x4	1 x SAS SFF-8484 x4	252	Low-profile MD2	4.8 GB/s (Full Duplex)	0, 1, 1E, JBOD	One SAS to SAS, One SAS to SATA
LSISAS3041E-R	LSI00112 LSI00168	KIT SGL	PCI Express x4	4	Yes	N/A	4 x SATA x1	128	Low-profile MD2	2.4 GB/s (Full Duplex)	0, 1, 1E, JBOD	Four x1 SATA to SAS, Four x1 SATA to SATA
LSISAS3081E-R	LSI00151 LSI00182	KIT SGL	PCI Express x8	8	Yes	N/A	2 x SAS SFF-8087 x4	252	Low-profile MD2	4.8 GB/s (Full Duplex)	0, 1, 1E, JBOD	Two Mini-SAS to Four SAS
LSISAS3801E	LSI00138	SGL	PCI Express x8	8	Yes	2 x SAS SFF-8088 x4	N/A	252	Low-profile MD2	4.8 GB/s (Full Duplex)	JBOD	N/A
LSISAS3442X-R	LSI00100 LSI00164	KIT SGL	64-bit, 133MHz PCI-X	8	Yes	1 x SAS SFF-8470	2 x SAS SFF-8484	252	Low-profile MD2	4.8 GB/s (Full Duplex)	0, 1, 1E, JBOD	One SAS to SAS, One SAS to SATA
LSISAS3041X-R	LSI00033-F LSI00166	KIT SGL	64-bit, 133MHz PCI-X	4	Yes	N/A	4 x SATA x1	128	Low-profile MD2	2.4 GB/s (Full Duplex)	0, 1, 1E, JBOD	Four x1 SATA to SAS, Four x1 SATA to SATA
LSISAS3080X-R	LSI00117 LSI00165	KIT SGL	64-bit, 133MHz PCI-X	8	Yes	N/A	2 x SAS SFF-8484	252	Low-profile MD2	4.8 GB/s (Full Duplex)	0, 1, 1E, JBOD	Two SAS to SAS

HBA	Ordering Part No.	PKG	Host Bus Type	Channel/Ports	Bootable	External Connector	Internal Connector	No. of Devices Supported	Form Factor	Transfer Rate/Sec	RAID Levels	Cable(s) Included in Kit
<b>3 Gb/s SATA+SAS HBAs (continued)</b>												
LSISAS3800X	LSI00056-F	SGL	64-bit, 133MHz PCI-X	8	Yes	1 x SAS SFF-8470	N/A	252	Full-height	4.8 GB/s (Full Duplex)	JBOD	N/A
LSISAS3801X	LSI00124	SGL	64-bit, 133MHz PCI-X	8	Yes	2 x SAS SFF-8088 x4	N/A	128	Low-profile MD2	4.8 GB/s (Full Duplex)	JBOD	N/A
<b>ULTRA320 SCSI HBAs</b>												
LSI22320SE	LSI00153	SGL	PCI Express x4	2	Yes	2 x 68-pin VHDCI	N/A	30	Low-profile MD2	640 MB/s	JBOD	N/A
LSI20320IE	LSI00154	SGL	PCI Express x4	1	Yes	1 x 68-pin VHDCI	1 x 68-pin HD	15	Low-profile MD2	320 MB/s	JBOD	N/A
LSI22320RB	LSI22320RB-F	SGL	64-bit, 133MHz PCI-X	2	Yes	2 x 68-pin VHDCI	2 x 68-pin HD	30	Full-height	640 MB/s	0, 1, 1E, JBOD	N/A
LSI21320R	LSI21320RB-F	SGL	64-bit, 133MHz PCI-X	2	Yes	1 x 68-pin HD	2 x 68-pin HD	30	Full-height	640 MB/s	0, 1, 1E, JBOD	N/A
LSI20320R	LSI20320-R-B-F	SGL	64-bit, 133MHz PCI-X	1	Yes	1 x 68-pin VHDCI	1 x 68-pin HD	15	Low-profile	320 MB/s	0, 1, 1E, JBOD	N/A
LSIU320	LSI00011-F	SGL	64-bit, 133MHz PCI-X	1	Yes	1 x 68-pin HD	1 x 68-pin HD	15	Full-height	320 MB/s	JBOD	N/A
<b>ULTRA160 SCSI HBAs</b>												
LSI20160B	LSI20160B	SGL	32-bit, 33MHz PCI™	1	Yes	1 x 68-pin VHDCI	1 x 68-pin HD	15	Low-profile	160 MB/s	N/A	N/A

## Fibre Channel HBA Solutions

Fibre Channel	Ordering Part No.	PKG	Host Bus Type	Channel/Ports	Media	External Connector	Form Factor	Bracket Size	Transfer Rate/Sec	Architecture	Cable(s) Included in Kit
<b>4 Gb/s FIBRE CHANNEL HBAs</b>											
LSI7404EP-LC	LSI00149	SGL	PCI Express x8	4	Optical	4 x LC, SFP, multimode optics	Full-height	Standard	3200 MB/s	Fusion-MPT™	N/A
LSI7204EP-LC	LSI00172	SGL	PCI Express x8	2	Optical	2 x LC, SFP, multimode optics	Low-profile MD2	Stand/Low-profile	1600 MB/s	Fusion-MPT	N/A
LSI7104EP-LC	LSI00171	SGL	PCI Express x8	1	Optical	1 x LC, SFP, multimode optics	Low-profile MD2	Stand/Low-profile	800 MB/s	Fusion-MPT	N/A
LSI7404XP-LC	LSI00060-F	SGL	64-bit, 133MHz PCI-X	4	Optical	4 x LC, SFP, multimode optics	Full-height	Standard	3200 MB/s	Fusion-MPT	N/A
LSI7204XP-LC	LSI00170	SGL	64-bit, 133MHz PCI-X	2	Optical	2 x LC, SFP, multimode optics	Low-profile MD2	Stand/Low-profile	1600 MB/s	Fusion-MPT	N/A
LSI7104XP-LC	LSI00169	SGL	64-bit, 133MHz PCI-X	1	Optical	1 x LC, SFP, multimode optics	Low-profile MD2	Stand/Low-profile	800 MB/s	Fusion-MPT	N/A

Fibre Channel	Ordering Part No.	PKG	Host Bus Type	Channel/Ports	Media	External Connector	Form Factor	Bracket Size	Transfer Rate/Sec	Architecture	Cable(s) Included in Kit
<b>2 Gb/s FIBRE CHANNEL HBAs</b>											
LSI7202XP-LC	LSI00173	SGL	64-bit, 133MHz PCI-X	2	Optical	2 x LC, SFP, multimode optics	Low-profile MD2	Stand/Low-profile	800 MB/s	Fusion-MPT	N/A
LSI7102XP-LC	LSI00186	SGL	64-bit, 133MHz PCI-X	1	Optical	1 x LC, SFP, multimode optics	Low-profile MD2	Stand/Low-profile	400 MB/s	Fusion-MPT	N/A

## Cables

Cable P/N	Length	Connector to Connector		Compatible Controllers
		To Controller	To Drives/Backplane	
CBL-SFF8088SAS-10M	1m	SFF-8088	SFF-8088	3ware 9690SA (-8E, -4I4E), MegaRAID 88XX, 9280-xx
CBL-SFF8088SAS-20M	2m	SFF-8088	SFF-8088	9690SA (-8E, -4I4E), MegaRAID 88XX, 9280-xx
CBL-SFF8088IB-10M	1m	SFF-8088	SFF-8470	9690SA (-8E, -4I4E), MegaRAID 88XX, 9280-xx
CBL-SFF8088IB-20M	2m	SFF-8088	SFF-8470	9690SA (-8E, -4I4E), MegaRAID 88XX, 9280-xx
CBL-SAS80870CF-06M	0.6m	SFF-8087	SFF-8482	9690SA (-8I, -4I4E, 4I), MegaRAID 87XX, 82XX, 8888ELP, 84016E, 9260-xx
CBL-M8ML-06M	0.6m	M8	SFF-8087	9650SE-24M8
CBL-M8ML-10M	1m	M8	SFF-8087	9650SE-24M8
CBL-M8OCF-06M	0.6m	M8	Discrete	9650SE-24M8
CBL-M8OCF-10M	1m	M8	Discrete	9650SE-24M8
CBL-SFF8087-05M	0.5m	SFF-8087	SFF-8087	9690SA (-8I, -4I4E, 4I), 9650SE (-4LPML, -8LPML, -12ML, -16ML), MegaRAID 87XX, 82XX, 8888ELP, 84016E, 9260-xx
CBL-SFF8087-06M	0.6m	SFF-8087	SFF-8087	9690SA (-8I, -4I4E, 4I), 9650SE (-4LPML, -8LPML, -12ML, -16ML), MegaRAID 87XX, 82XX, 8888ELP, 84016E, 9260-xx
CBL-SFF80870CF-05M	0.5m	SFF-8087	Discrete	9690SA (8I, 4I4E, 4I), 9650SE (-4LPML, -8LPML, -12ML, -16ML), MegaRAID 87XX, 82XX, 8888ELP, 84016E, 9260-xx
CBL-SFF80870CF-06M	0.6m	SFF-8087	Discrete	9690SA (8I, 4I4E, 4I), 9650SE (-4LPML, -8LPML, -12ML, -16ML), MegaRAID 87XX, 82XX, 8888ELP, 84016E, 9260-xx
CBL-SFF80870CF-10M	1m	SFF-8087	Discrete	9690SA (8I, 4I4E, 4I), 9650SE (-4LPML, -8LPML, -12ML, -16ML), MegaRAID 87XX, 82XX, 8888ELP, 84016E, 9260-xx
CBL-SFF8087OCR-05M	0.5m	Discrete	SFF-8087	9550SXU (-4LP, -8LP)
CBL-SFF8087OCR-06M	0.6m	Discrete	SFF-8087	9550SXU (-4LP, -8LP)
CBL-SFF8087OCR-10M	1m	Discrete	SFF-8087	9550SXU (-4LP, -8LP)
CBL-SFF8087IB-05M	0.5m	SFF-8087	SFF-8470	9650SE (-4LPML, -8LPML, -12ML, -16ML)
CBL-SFF8087IB-06M	0.6m	SFF-8087	SFF-8470	9650SE (-4LPML, -8LPML, -12ML, -16ML)
CBL-SATA-39	1m	Discrete	Discrete	9650SE-2LP, 9550SXU (-4LP, -8LP)
LSI-8087-8482p-1M	1m	SFF-8087	SFF-8482	MegaRAID SAS 88XX, 87XX, 84XX, 82XX, 9260-xx
LSI-8087-SATA-1M	1m	SFF-8087	Discrete	MegaRAID SAS 88XX, 87XX, 84XX, 82XX, 9260-xx

## Battery Backup Units

Battery P/N	Description / Compatible Controllers
<b>MegaRAID</b>	
MegaRAID LSIIBBU03	Battery Backup Unit for 320-2X, 320-0X, or SAS 8300XLP
MegaRAID LSIiBBU01	Battery Backup Unit for 300-8X,4/8XLP, 8344/8308ELP, 84016E
MegaRAID LSIiBBU05	Battery Backup Unit for 8708ELP, 8704ELP and 8888ELP
MegaRAID LSIiBBU06	Battery Backup Unit for 8708EM2 and 8704EM2
MegaRAID LSIiBBU07	Battery Backup Unit for 8880EM2, 9260-xx and 9280-xx
MegaRAID LSIITBBU01	128MB Transportable Battery Backup for SCSI 320-2E
MegaRAID LSIITBBU02	256MB Transportable Battery Backup for 8408E & 8480E
MegaRAID LSIITBBU03	256MB Transportable Battery Backup for 8888ELP
<b>3ware</b>	
BBU-MODULE-03	Battery Backup Unit for 3ware 9650SE/9590SE/9550SX(U)
BBU-MODULE-04	Battery Backup Unit for 3ware 9690SA/9650SE/9590SE/9550SX(U); Includes remote battery mounting kit
BATT-SPARE-02	Replacement battery for BBU-MODULE-03 and BBU-MODULE-04

# LSI™ RAID Controller Competitive Matrix

	Ports	Host Bus Interface	Device Protocol	Adaptec®	Areca®	Atto®	Intel®	Promise Technology®	QLogic®	Emulex®
<b>6Gb/s SATA+SAS RAID CONTROLLERS</b>										
MegaRAID SAS 9280-8e	8	PCI Express 2.0 x8	6Gb/s SATA+SAS	–	–	–	–	–	–	–
MegaRAID SAS 9260-8i	8	PCI Express 2.0 x8	6Gb/s SATA+SAS	–	–	–	–	–	–	–
MegaRAID SAS 9260-4i	4	PCI Express 2.0 x8	6Gb/s SATA+SAS	–	–	–	–	–	–	–
<b>3Gb/s SATA+SAS RAID CONTROLLERS</b>										
MegaRAID SAS 8888ELP	8 selectable	PCI Express x8	3Gb/s SATA+SAS	5085, 5445	ARC-1680LP, ARC-1680x	R348, R380	SRCSASJV, SRCSAS144E	EX8654, EX8658	–	–
3ware 9690SA-4I4E	8	PCI Express x8	3Gb/s SATA+SAS	5445	ARC-1680LP	R348	SRCSAS144E	EX8654	–	–
MegaRAID SAS 8880EM2	8	PCI Express x8	3Gb/s SATA+SAS	5085	ARC-1680x	R380	SRCSASJV	EX8658	–	–
3ware 9690SA-8E	8	PCI Express x8	3Gb/s SATA+SAS	5085	ARC-1680x	R380	SRCSASJV	EX8658	–	–
MegaRAID SAS 84016E	16	PCI Express x8	3Gb/s SATA+SAS	31605, 31205	ARC-1680ix-12, ARC-1680	–	SRCSASPH16I	EX16650	–	–
MegaRAID SAS 8708EM2	8	PCI Express x8	3Gb/s SATA+SAS	5805	ARC-1680-i	R348	SRCSASBB8I	EX8650	–	–
3ware 9690SA-8I	8	PCI Express x8	3Gb/s SATA+SAS	5805	ARC-1680-i	R348	SRCSASBB8I	EX8650	–	–
MegaRAID SAS 8708ELP	8	PCI Express x4	3Gb/s SATA+SAS	5805	ARC-1680-i	R348	SRCSASRB	EX8650	–	–
MegaRAID SAS 8704EM2	4	PCI Express x8	3Gb/s SATA+SAS	5405	–	–	SRCSASLS4I	EX4650	–	–
3ware 9690SA-4I	4	PCI Express x8	3Gb/s SATA+SAS	5405	–	–	SRCSASLS4I	EX4650	–	–
MegaRAID SAS 8704ELP	4	PCI Express x4	3Gb/s SATA+SAS	5405	–	–	SRCSASLS4I	EX4650	–	–
MegaRAID SAS 8208ELP	8	PCI Express x4	3Gb/s SATA+SAS	–	–	–	SASMF8I	–	–	–
MegaRAID SAS 8204ELP	4	PCI Express x4	3Gb/s SATA+SAS	2405	–	–	–	TX4650	–	–
<b>SATA RAID CONTROLLERS</b>										
3ware 9650SE-24M8	24	PCI Express x8	3Gb/s SATA	–	ARC-1280ML	–	–	–	–	–
3ware 9650SE-16ML	16	PCI Express x8	3Gb/s SATA	–	ARC-1261ML	–	–	EX16350	–	–
3ware 9650SE-12ML	12	PCI Express x8	3Gb/s SATA	–	ARC-1231ML	–	–	EX12350	–	–
3ware 9650SE-8LPML	8	PCI Express x4	3Gb/s SATA	–	ARC-1220	–	–	EX8350	–	–
3ware 9550SXU-8LP	8	64-bit/133MHz	3Gb/s SATA	–	ARC-1120	–	–	EX8300	–	–
3ware 9650SE-4LPML	4	PCI Express x4	3Gb/s SATA	–	ARC-1210	–	–	EX4350	–	–
3ware 9550SXU-4LP	4	64-bit/133MHz	3Gb/s SATA	–	ARC-1110	–	–	–	–	–
3ware 9650SE-2LP	2	PCI Express x1	3Gb/s SATA	–	–	–	–	TX2300	–	–
<b>ULTRA320 SCSI RAID CONTROLLERS</b>										
MegaRAID SCSI 320-2E	2	PCI Express x8	Ultra320 SCSI	–	–	–	SRCU42E	–	–	–

# LSI Host Bus Adapter Competitive Matrix

	Ports	Host Bus Interface	Device Protocol	Adaptec®	Areca®	Atto®	Intel®	Promise Technology®	QLLogic®	Emulex®
<b>3 Gb/s SATA+SAS HBAs</b>										
LSISAS3442E-R	8	PCI Express x8	3Gb/s SATA+SAS	-	-	-	-	-	-	-
LSISAS3041E-R	4	PCI Express x4	3Gb/s SATA+SAS	1045	ARC-1300-4i	-	-	-	-	-
LSISAS3081E-R	8	PCI Express x8	3Gb/s SATA+SAS	-	-	ExpressSAS H308	-	-	-	-
LSISAS3801E	8	PCI Express x8	3Gb/s SATA+SAS	-	-	ExpressSAS H380	-	-	-	-
LSISAS3442X-R	8	64-bit, 133MHz PCI-X	3Gb/s SATA+SAS	48300	-	-	-	-	-	-
LSISAS3041X-R	4	64-bit, 133MHz PCI-X	3Gb/s SATA+SAS	44300	-	-	-	-	-	-
LSISAS3080X-R	8	64-bit, 133MHz PCI-X	3Gb/s SATA+SAS	-	-	-	-	-	-	-
LSISAS3800X	8	64-bit, 133MHz PCI-X	3Gb/s SATA+SAS	-	-	-	-	-	-	-
LSISAS3801X	8	64-bit, 133MHz PCI-X	3Gb/s SATA+SAS	58300	-	-	-	-	-	-
<b>ULTRA320 SCSI HBAs</b>										
LSI22320SE	2	PCI Express x4	Ultra320 SCSI	-	-	ExpressPCI UL5D LP	-	-	-	-
LSI20320IE	1	PCI Express x4	Ultra320 SCSI	29320LPE	-	-	-	-	-	-
LSI22320RB	2	64-bit, 133MHz PCI-X	Ultra320 SCSI	39320A-R	-	ExpressPCI UL4D	-	-	-	-
LSI21320RB	2	64-bit, 133MHz PCI-X	Ultra320 SCSI	29320A-R	-	ExpressPCI UL4S	-	-	-	-
LSI20320RB	1	64-bit, 133MHz PCI-X	Ultra320 SCSI	29320ALP-R	-	-	-	-	-	-
LSIU320	1	64-bit, 133MHz PCI-X	Ultra320 SCSI	-	-	ExpressPCI UL4S	-	-	-	-
<b>4 Gb/s FIBRE CHANNEL HBAs</b>										
LSI7404EP-LC	4 (Optical)	PCI Express x8	4Gb/s Fibre Channel	-	-	Celerity FC-44ES	-	-	QLA2464	-
LSI7204EP-LC	2 (Optical)	PCI Express x8	4Gb/s Fibre Channel	-	-	Celerity FC-42ES	-	-	QLA2462	LPe11002
LSI7104EP-LC	1 (Optical)	PCI Express x8	4Gb/s Fibre Channel	-	-	Celerity FC-41ES	-	-	QLA2460	LPe11150
LSI7404XP-LC	4 (Optical)	64-bit, 133MHz PCI-X	4Gb/s Fibre Channel	-	-	-	-	-	QLA2464	-
LSI7204XP-LC	2 (Optical)	64-bit, 133MHz PCI-X	4Gb/s Fibre Channel	-	-	Celerity FC-42XS	-	-	QLA2462	LP1102
LSI7104XP-LC	1 (Optical)	64-bit, 133MHz PCI-X	4Gb/s Fibre Channel	-	-	Celerity FC-41XS	-	-	QLA2460	LP11000
LSI7202XP-LC	2 (Optical)	64-bit, 133MHz PCI-X	2Gb/s Fibre Channel	-	-	-	-	-	QLA2342/QLA2362	LP9802DC
LSI7102XP-LC	1 (Optical)	64-bit, 133MHz PCI-X	2Gb/s Fibre Channel	-	-	-	-	-	QLA2340/QLA2360	LP10000/LP1050-F2/ LP982-F2

For more information and sales office locations, please visit the LSI web sites at:

[www.lsi.com](http://www.lsi.com)    [www.lsichannelgateway.com](http://www.lsichannelgateway.com)



**North American Headquarters**  
Milpitas, CA  
T: +1.866.574.5741 (within U.S.)  
T: + 1.610.712.4323 (outside U.S.)

**LSI Europe Ltd.**  
**European Headquarters**  
United Kingdom  
T: [+44] 1344.413200

**LSI KK Headquarters**  
Tokyo, Japan  
Tel: [+81] 3.5463.7811



LSI, the LSI logo design, 3ware, Fusion-MPT and MegaRAID are trademarks or registered trademarks of LSI Corporation. All other brand and product names may be trademarks of their respective companies.

LSI Corporation reserves the right to make changes to any products and services herein at any time without notice. LSI does not assume any responsibility or liability arising out of the application or use of any product or service described herein, except as expressly agreed to in writing by LSI; nor does the purchase, lease, or use of a product or service from LSI convey a license under any patent rights, copyrights, trademark rights, or any other of the intellectual property rights of LSI or of third parties.

Copyright ©2009 by LSI Corporation. All rights reserved. 0709