



Adaptec Series 1 Competitive Matrix

Adaptec Series 1 Unified Serial® HBAs offer maximum scalability at an entry-level price. They support both Serial ATA (SATA) and Serial Attached SCSI (SAS) drives. Extensive operating system support and unsurpassed compatibility make Adaptec Unified Serial HBAs the preferred choice.

4-port (internal)

Model #	Adaptec 1405	LSI SAS3041E-R	LSI MegaRAID 8204ELP
HARDWARE & FEATURES			
Technology	SATA/SAS	SATA/SAS	SATA/SAS
Ports (Internal/External)	4 int	4 int	4 int
Connector	One SFF-8087 x4	Four SATA x1	One SFF-8087 x4
Max HDDs thru expanders	128	122	4
Physical Dimensions	2.54"H x 4.43"L (65mm x 113mm)	2.5"H x 6.6"L (64mm x 168mm)	2.5"H x 6.6"L (64mm x 168mm)
Form Factor	LP MD2	LP MD2	LP MD2
PCIe	x4	x4	x4
RAID FEATURES			
RAID Type	non-RAID	Hardware	Software
RAID Levels	non-RAID	JBOD, 0, 1, 1E	0, 1, 10, 5
OS SUPPORT			
Windows Server/2003/XP/Vista/2008	✓	✓	✓
Red Hat Enterprise Linux	✓	✓	✓
SUSE Linux Enterprise Server	✓	✓	✓
FreeBSD 6.3, 7	✓		

4-port (external)

Model #	Adaptec 1045	LSI SAS3442E-R
HARDWARE & FEATURES		
Technology	SATA/SAS	SATA/SAS
Ports (Internal/External)	4 ext	4 int + 4 ext
Connector	One SFF-8088 x4	SFF-8484 & SFF-8470
Max HDDs thru expanders	128	122
Physical Dimensions	2.54"H x 4.43"L (65mm x 113mm)	2.5"H x 6.6"L (64mm x 168mm)
Form Factor	LP MD2	LP MD2
PCIe	x4	x8
RAID FEATURES		
RAID Type	non-RAID	Hardware
RAID Levels	non-RAID	JBOD, 0, 1, 1E
OS SUPPORT		
Windows Server/2003/XP/Vista/2008	✓	✓
Red Hat Enterprise Linux	✓	✓
SUSE Linux Enterprise Server	✓	✓
FreeBSD 6.3, 7	✓	