

Adaptec® Ultra320 SCSI Card Family



New additions to the family of highest performing Ultra320 SCSI cards with HostRAID™ data protection

Adaptec recognizes that providing data security is a business necessity and was the first company to offer integrated RAID across all Ultra320 SCSI cards. Now, Adaptec is offering enhanced integrated RAID capabilities, new management tools, and additional driver support. Three new Ultra320 SCSI cards provide a range of solutions, fine-tuned for specific uses from workstations to entry-level, thin rack-mount and enterprise servers.

HostRAID RAID 0, 1, and 10

Adaptec HostRAID provides fast, secure data transactions with support for both mirroring (RAID 1) and striping (RAID 0) and new support for a combination of mirroring and striping (RAID 10). With mirroring, data is simultaneously written to two or more drives, allowing for fault tolerant data protection. Striping improves system performance by writing data to multiple drives. This is especially valuable when running data intensive applications such as database and video/audio streaming. Adaptec's newest Ultra320 SCSI cards also provide RAID 10. This RAID level combines the performance enhancements of striping with the fault tolerant properties of mirroring to provide an optimal performance/protection solution.

Seamless Streaming Technology

Adaptec has extended its SCSI leadership and reputation for innovation with Seamless Streaming™, a technology that optimizes Ultra320 SCSI performance by ensuring fast, smooth handling of data and command packets. Seamless Streaming sends multiple commands in a single connection, and allows up to 512 commands to be rapidly retrieved from its command management queue.

Adaptec Storage Manager™ – Browser Edition
Adaptec HostRAID storage management is provided by Adaptec Storage Manager™ –

Browser Edition, a browser-based storage management tool that centralizes management of all Adaptec host-based RAID products. The intuitive RAID management tool provides pop-up tips and online help to simplify the creation and management of RAID arrays.

Trust Adaptec – The World's #1 Choice for SCSI Cards

Adaptec is the industry standard in SCSI cards. All Adaptec SCSI cards are backed by a five-year warranty and free technical support for two years. Adaptec's family of Ultra320 SCSI cards have been engineered and tested to deliver unsurpassed reliability and compatibility. As the industry-leading manufacturer of SCSI cards, Adaptec assures the widest possible compatibility – now and in the future.

Adaptec Ultra320 SCSI cards combine cost-effective integrated RAID mirroring and striping for worry-free data protection with the fastest SCSI speeds available.

Adaptec SCSI Card 39320A-R

The Adaptec 39320A-R is a 64-bit, 133 MHz, PCI-X, dual-channel Ultra320 SCSI card ideal for mid-range to enterprise servers requiring RAID mirroring and/or striping.

Adaptec SCSI Card 29320A-R

The Adaptec 29320A-R is a half-size, 64-bit, 133 MHz, PCI-X, single-channel Ultra320 SCSI card ideal for entry-level servers and workstations requiring connector flexibility and legacy SCSI support.

Adaptec SCSI Card 29320ALP-R

The Adaptec 29320ALP-R is a low-profile, 64-bit 133 MHz PCI-X, single-channel Ultra320 SCSI card with integrated HostRAID optimized for rack-mount servers and workstations needing the smallest form factor possible.

Family Highlights

HostRAID RAID 0, 1, 10 data protection

Adaptec Seamless Streaming

Up to 320 MByte/sec performance per channel

64-bit 133 MHz PCI-X

Adaptec Storage Manager – Browser Edition to manage HostRAID

Seamless backward compatibility protects legacy devices

Industry-leading compatibility and reliability

Adaptec Ultra320 SCSI Card Family

	Adaptec SCSI Card 39320A-R (2060900)	Adaptec SCSI Card 29320A-R (2060500)	Adaptec SCSI Card 29320ALP-R (2060100)
Why To Buy	Highest-performing dual-channel Ultra320 SCSI card for external connections with HostRAID RAID 0, 1, 10 for data protection	Single-channel Ultra320 SCSI card with legacy SCSI connectors and HostRAID RAID 0, 1, 10 for data protection	Low cost single-channel Ultra320 SCSI card with HostRAID RAID 0, 1, 10 for data protection
Customer Needs	Ideal for mid-range to enterprise servers and workstations requiring entry-level data protection	Ideal for entry-level servers and workstations requiring connector flexibility and legacy SCSI support	Ideal for rack-mount servers and workstations requiring the smallest form factor possible
Device Support	Up to 30 SCSI devices	Up to 15 SCSI devices	
Data Transfer Rate	Up to 640 MByte/sec	Up to 320 MByte/sec	
RAID Levels	RAID 0, 1, 10		
Bus Type	64-bit, 133 MHz PCI-X		
External Connectors	Two 68-pin VHDCI	One 68-pin HD	One 68-pin VHDCI
Internal Connectors	Two 68-pin Ultra320	One 68-pin Ultra320 One 68-pin wide Ultra One 50-pin narrow Ultra	One 68-pin Ultra320
System Requirements	Intel PC or equivalent with available PCI slot (2.2 compliant)		
Operating System Support	Windows® Server 2003, Windows 2000, Windows XP, Windows NT® 4.x, Linux, Novell Netware, Caldera OpenUNIX, Caldera UnixWare		
Software in Kit	Adaptec Storage Manager – Browser Edition and supported operating system drivers		
Cable in Kit	One 5-position Ultra320 SCSI LVD cable with terminator		
Physical Dimensions	6.87" x 3.87"		6.60" x 2.54"
MTBF	1,435,915 hours	1,570,000 hours	
Warranty	5 years		

○ 39320A-R



○ 29320A-R



○ 29320ALP-R



ULTRA320
SCSI



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