

ADAPTEC® AAA® RAID CARD FAMILY

Affordable Hardware RAID Solutions for PC Servers and Workstations



RAID Card Family Highlights

- Support for RAID levels 0, 1, 0/1 and 5
- Maximum uptime with support for hot-swap*, hot-spare, bootable arrays, and more
- Easy-to-use GUI-based software for simple installation and storage management
- RAID coprocessor delivers high performance by offloading RAID functions from system CPU
- Ultra2 SCSI or Ultra DMA/66 performance

Adaptec's AAA RAID card family protects against the devastating effects of lost data and costly server downtime by providing robust, yet affordable RAID solutions that are easy to install and maintain. Each card delivers data faster and more reliably than native operating system software RAID, provides more manageability features, and does so at a fraction of the cost of other high-end RAID solutions.

Whether you are looking for RAID protection on low-cost UDMA servers or a scalable SCSI RAID server solution that provides maximum performance and configuration flexibility, the AAA RAID card family delivers robust fault tolerance that you can count on. All cards support RAID levels 0, 1, 0/1, and 5, and additional hardware RAID features, including bootable arrays, hot-swap*, hot-spare, and more, assuring round-the-clock fault tolerance for your mission-critical data.

Each product shares the same Adaptec CI/O™ Management Software to take the complexity out of creating and managing RAID arrays. Its easy-to-use graphical user interface makes installation and storage management point-and-click simple. System administrators can manage storage remotely, create multiple arrays simultaneously, and automate routine management functions.

Choose from fully-scaleable 80 MByte/sec Ultra2 SCSI or low-cost 66 MByte/sec UDMA performance. These cards also

feature a powerful RAID coprocessor to increase performance.

Like all Adaptec cards, the AAA RAID card family has been rigorously tested with hundreds of systems and peripherals to assure compatibility and reliability. The Adaptec AAA RAID card family provides real protection for your valuable data at an affordable price.

AAA-UDMA

Low-cost Ultra DMA RAID solution for increased data protection

The Adaptec Ultra DMA/66 RAID Card makes true hardware RAID more affordable than ever before. Small businesses and workgroups deploying low-cost servers for Web, file, e-mail, database, and other business-critical applications can't afford system downtime or poor performance. By combining advanced hardware RAID fault-tolerance features with affordable Ultra DMA hard drives, the AAA-UDMA RAID Card offers an ideal solution for server environments where cost is a primary consideration.

AAA-131U2

Affordable SCSI RAID solution for increased data protection and performance

Adaptec's Ultra2 SCSI RAID Card AAA-131U2 provides robust hardware RAID fault tolerance with the performance and scalability of Ultra2 SCSI. It is an ideal solution for entry-level server and workgroup environments such as Web, file, e-mail, database, and other business-critical applications where maximum system availability, expandability, and performance optimization are paramount.

AAA-133U2

Three channel SCSI RAID for workgroup and departmental servers

Larger server configurations for workgroups and departments require performance and scalability. Adaptec's AAA-133U2 adds to the AAA-131U2 benefits by delivering three channels on a single card. The three SCSI channels triple bandwidth to 240 MByte/sec and allow connection of up to 45 devices providing scalability to grow as your business grows. For increased performance, 16 MByte cache memory comes standard on this RAID card.

* SCSI only

	AAA-UDMA	AAA-131U2	AAA-133U2
Why To Buy	Low-cost Ultra DMA hardware RAID solution for increased data protection	Affordable SCSI hardware RAID solution for increased data protection and performance	Three channel SCSI RAID for workgroup and departmental servers
Customer Needs	Ideal for cost-sensitive users who require true data protection	Ideal for users who require maximum system availability, performance, and scalability	Ideal for users who require maximum system availability, performance, and scalability
Environment	Entry-level UDMA servers	Entry-level SCSI servers and workstations	Workgroup and departmental SCSI servers
RAID levels	RAID 0, 1, 0/1, 5	RAID 0, 1, 0/1, 5	RAID 0, 1, 0/1, 5
Data Transfer Rate	Up to 66 MByte/sec	Up to 80 MByte/sec	Up to 80 MByte/sec per channel (three channels)
Cache Memory	2 MByte (upgradable to 64 MB)	2 MByte (upgradable to 64 MB)	16 MByte (upgradable to 64 MB)
Device Support	Up to 4 UDMA drives	Up to 15 SCSI devices	Up to 45 SCSI devices
Bus Type	32-bit PCI	32-bit PCI	32-bit PCI
Internal Connectors	Four 40-pin	One 68-pin, LVD One 50-pin	Three 68-pin, LVD One 50-pin
External Connectors	None	One 68-pin, LVD	One 68-pin, LVD
System Requirements	Intel PC or equivalent with available PCI slot	Intel PC or equivalent with available PCI slot	Intel PC or equivalent with available PCI slot
Operating Systems	Windows® 2000, NT® 4.0, NetWare 4.2 & 5.0	Windows 2000, NT 4.0, NetWare 4.2 & 5.0, UNIXWare 7.01	Windows 2000, NT 4.0, NetWare 4.2 & 5.0, UNIXWare 7.01
Software In Kit	ARRAYCONFIG™UDMA CI/O Management Software™	ARRAYCONFIG U2 CI/O Management Software	ARRAYCONFIG U2 CI/O Management Software
Physical Dimensions	Full-size PCI card (12.283 x 4.2 inches, 31.191 x 10.668 cm)	Half-size PCI card (6.93 x 4.2 inches, 17.526 x 10.668 cm)	Full-size PCI card (12.283 x 4.2 inches, 31.191 x 10.668 cm)
Operating Temperature	0°C to 55°C	0°C to 55°C	0°C to 55°C
Power Requirements	4 amps @+5v	4 amps @+5v	4 amps @+5v
Warranty	5 years	5 years	5 years

For additional technical product information see our web page at <http://www.adaptec.com/raid>



Adaptec, Inc.
691 South Milpitas Boulevard
Milpitas, California 95035
Tel: (408) 945-8600
Fax: (408) 262-2533

Literature Requests:
US and Canada: 1 (800) 934-2766 or (408) 957-7274
World Wide Web: <http://www.adaptec.com>
Pre-Sales Support: US and Canada: 1 (800) 442-7274 or (408) 957-7274
Pre-Sales Support: Europe: Tel: (32) 2-352-34-11 or Fax: (32) 2-352-34-00

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