

Adaptec provides industry-leading storage controllers built on Unified Serial Architecture.



The Trusted Storage Provider

For more than 25 years, Adaptec has been delivering storage and I/O connectivity. In fact, Adaptec is the undisputed RAID leader; no vendor's technology is more proven.

SATA/SAS compatibility

Adaptec Unified Serial™ architecture leverages cost-effective, high-capacity Serial ATA (SATA) drives, high-performance Serial Attached SCSI (SAS) drives, or both in a single storage system.

Data Protection

Entry level models offer hardware RAID 0, 1, and 10 that is independent of the host and operating system. Performance models offer advanced data protection, RAID 0, 1, 1E, 5, 5EE, 6, 10, 50, and 60 built on a RAID core hardened by over 20 years.

Performance

Even the entry-level models provide high bandwidth for I/O applications. Performance models deliver an impressive 250,000 I/Os per second and 1.2GB/s for maximum performance.

Flexibility

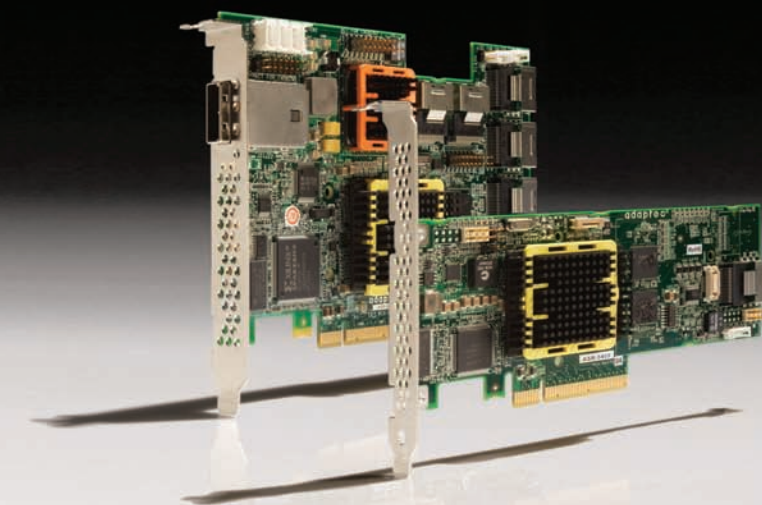
These Unified Serial product families provide internal and external connectivity, separately and together in one card for maximum flexibility to create solutions with internal disk drives and external tape drives, or JBODs, for high connectivity solutions.

adaptec®

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Reliable data protection,
best-in-class performance,
and **proven compatibility**



Adaptec is your **only** choice

Adaptec products offer industry-leading features and functionality.

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RAID Controllers (built on Unified Serial Architecture)

	Entry Value							Performance						
	Adaptec RAID 2045	Adaptec RAID 2405	Adaptec RAID 3085	Adaptec RAID 3405	Adaptec RAID 3805	Adaptec RAID 31205	Adaptec RAID 31605	Adaptec RAID 5085	Adaptec RAID 5405	Adaptec RAID 5445	Adaptec RAID 5805	Adaptec RAID 51245	Adaptec RAID 51645	Adaptec RAID 52445
RAID Levels	RAID Hardware 0, 1, 10, JBOD							RAID Hardware 0, 1, 1E, 5, 5EE, 6, 10, 50, 60, JBOD						
Form Factor	MD2 - low profile	MD2 - low profile	MD2 - low profile	MD2 - low profile	MD2 - low profile	Half length/ full height	Half length/ full height	MD2 - low profile	MD2 - low profile	MD2 - low profile	MD2 - low profile	Half length/ full height	Half length/ full height	Half length/ full height
Dimensions	2.5"H x 6.6"L (64mm x 167mm)	2.5"H x 6.6"L (64mm x 167mm)	2.5"H x 6.6"L (64mm x 167mm)	2.5"H x 6.6"L (64mm x 167mm)	2.5"H x 6.6"L (64mm x 167mm)	4.6"H x 6.6"L (116mm x 167mm)	4.6"H x 6.6"L (116mm x 167mm)	2.5"H x 6.6"L (64mm x 167mm)	2.5"H x 6.6"L (64mm x 167mm)	2.5"H x 6.6"L (64mm x 167mm)	2.5"H x 6.6"L (64mm x 167mm)	4.6"H x 6.43"L (116mm x 164mm)	4.6"H x 6.43"L (116mm x 164mm)	4.6"H x 6.43"L (116mm x 164mm)
Ports	4 external	4 internal	8 external	4 internal	8 internal	12 internal	16 internal	8 external	4 internal	8 (4 internal/4 external)	8 internal	16 (12 internal/4 external)	20 (16 internal/4 external)	28 (24 internal/4 external)
Bandwidth	3Gb/s	3Gb/s	3Gb/s	3Gb/s	3Gb/s	3Gb/s	3Gb/s	3Gb/s	3Gb/s	3Gb/s	3Gb/s	3Gb/s	3Gb/s	3Gb/s
Maximum Scalability	128 SATA/ SAS devices	128 SATA/ SAS devices	128 SATA/ SAS devices	128 SATA/ SAS devices	128 SATA/ SAS devices	128 SATA/ SAS devices	128 SATA/ SAS devices	256 SATA/ SAS devices	256 SATA/ SAS devices	256 SATA/ SAS devices	256 SATA/ SAS devices	256 SATA/ SAS devices	256 SATA/ SAS devices	256 SATA/ SAS devices
Connector	1 external SFF-8088	1 internal SFF-8087	2 external SFF-8088	1 internal SFF-8087	2 internal SFF-8087	3 internal SFF-8087	4 internal SFF-8087	2 external SFF-8088	1 internal SFF-8087	1 internal SFF-8087 1 external SFF-8088	2 internal SFF-8087	3 internal SFF-8087, 1 external SFF-8088	4 internal SFF-8087, 1 external SFF-8088	6 internal SFF-8087, 1 external SFF-8088
Bus Interface	8-lane PCIe	8-lane PCIe	8-lane PCIe	4-lane PCIe	4-lane PCIe	8-lane PCIe	8-lane PCIe	8-lane PCIe	8-lane PCIe	8-lane PCIe	8-lane PCIe	8-lane PCIe	8-lane PCIe	8-lane PCIe
Processor	Dual core 800 MHz RAID on Chip	Dual core 800 MHz RAID on Chip	Intel 80333 500MHz	Intel 80333 500MHz	Intel 80333 800MHz	Intel 80333 800MHz	Intel 80333 800MHz	Dual core 1.2 GHz RAID on Chip	Dual core 1.2 GHz RAID on Chip	Dual core 1.2 GHz RAID on Chip	Dual core 1.2 GHz RAID on Chip	Dual core 1.2 GHz RAID on Chip	Dual core 1.2 GHz RAID on Chip	Dual core 1.2 GHz RAID on Chip
Cache	128MB	128MB	256MB	128MB	128/256MB	256MB	256MB	512MB	256MB	512MB	512MB	512MB	512MB	512MB

Adaptec RAID Controllers

Industry-leading performance, scalability, & protection

- RAID 0, 1, 1E, 5, 5EE, 6, 10, 50, and 60, depending on model.
- Online Capacity Expansion simplifies the creation of RAID arrays and makes new capacity instantly available.
- RAID Level Migration improves investment protection.
- Optimized Disk Utilization allows all disk space to be used in configurations that include different sized disks.
- Copyback Hot Spare – After a drive replacement, the controller migrates back to the original, designated hot spare configuration.
- Adaptec Storage Manager™ one-view management software works across SATA, SAS, and SCSI storage in your organization.
- Broad operating system support including Windows, Linux, NetWare, Solaris, SCO, and FreeBSD.

Adaptec Unified Serial™ Architecture

Unified Serial™ architecture allows for using both SATA & SAS drives, depending on price, performance and reliability needs.

RAID Controllers

Adaptec offers unmatched performance and the industry's most complete data protection. A RAID core hardened by years of use, common cross-platform RAID management tools, quality and world-class support have made Adaptec the industry's leading RAID provider.

Host Bus Adapters (HBAs)

Adaptec HBAs provide unmatched connectivity for entry-level applications. All Adaptec HBAs are built with the quality and reliability of 25 years of storage leadership.



Simplified Management & Compatibility

Extensive operating system support, unsurpassed compatibility and centralized storage management make Adaptec Unified Serial RAID controllers the preferred choice.

Operating System Support

Adaptec integrates broad operating system support for your choice of solutions, including Windows, Linux, NetWare, SCO UNIX, Sun Solaris x86, and FreeBSD.

Proven Compatibility

Adaptec Unified Serial controllers have been extensively tested with third-party components to deliver the utmost in compatibility. The cards are backed by a 3-year warranty and legendary Adaptec technical support.

Manage it all with one-view software

The Adaptec Storage Manager™ is an intuitive one-view tool that centralizes management of all Adaptec RAID products, enables remote configuration and monitoring of RAID arrays, and simplifies RAID array creation and management.

Maximum Performance

Get up to 5X faster performance with Adaptec Series 5 RAID Controllers.

Ideal for enterprise-class storage systems that call for maximum performance, the next-generation Series 5 controllers outshine the best offerings from 3ware, LSI, Areca, ATTO and Promise, up to 5X in speed tests.

With Adaptec Series 5 you get outstanding performance – up to 5X faster than the competition:

- Fastest for Streaming Writes
- Fastest for Email Servers
- Fastest for File Servers
- Fastest for OLTP Servers
- Fastest for Web Servers

Learn more at: www.adaptec.com/fastest

