



Adaptec Unified Serial™ Controllers

Choose Adaptec Unified Serial™ controllers to leverage cost-effective, high capacity SATA disk drives or high performance SAS drives. Integrate one-view storage management software and the industry's most advanced data protection. Upgrading and reallocating storage are as simple as swapping disks. With a 25-year legacy of providing reliability, Adaptec delivers trusted storage solutions that move, manage, and protect critical data and digital content.



Features ▶

- RAID 1, 1E, 5, 5EE, 6, 10, 50, and 60, depending on the model
- RAID Level Migration improves investment protection
- Copyback hot spare
- Optimized disk utilization
- Optional snapshot backup

Benefits ▶

- Unmatched flexibility
- Stronger performance
- Better scalability
- Mix and match both SATA and SAS drives

Applications ▶

- Windows
- Linux
- NetWare
- Solaris
- SCO and more

Product Specifications ▶

Part Number	Name	Product Description	Cables	Dimensions L x W x H (inches)
2252700-R	Adaptec RAID 31605 kit	16-port, internal connectors, 256 MB cache, PCIe x8, RAID levels 0, 1, 1E, 5, 5EE, 6, 10, 50, 60	4 fanout cables	11.75 x 7.75 x 3.50
2252900-R	Adaptec RAID 31605 SGL/256	16-port, internal connectors, 256 MB cache, PCIe x8, RAID levels 0, 1, 1E, 5, 5EE, 6, 10, 50, 60	No cables	11.50 x 7.50 x 1.50
2252400-R	Adaptec RAID 31205 kit	12-port, internal connectors, 256 MB cache, PCIe x8, RAID levels 0, 1, 1E, 5, 5EE, 6, 10, 50, 60	3 fanout cables	11.75 x 7.75 x 3.50
2252600-R	Adaptec RAID 31205 SGL/256	12-port, internal connectors, 256 MB cache, PCIe x8, RAID levels 0, 1, 1E, 5, 5EE, 6, 10, 50, 60	No cables	11.50 x 7.50 x 1.50
2252100-R	Adaptec RAID 3805 kit	8-port, internal connectors, 128 MB cache, PCIe x4, RAID levels 0, 1, 1E, 5, 5EE, 6, 10, 50, 60	2 fanout cables	11.75 x 7.75 x 3.50
2252200-R	Adaptec RAID 3805 SGL/128	8-port, internal connectors, 128 MB cache, PCIe x4, RAID levels 0, 1, 1E, 5, 5EE, 6, 10, 50, 60	No cables	11.50 x 7.50 x 1.50
2252300-R	Adaptec RAID 3805 SGL/256	8-port, internal connectors, 256 MB cache, PCIe x4, RAID levels 0, 1, 1E, 5, 5EE, 6, 10, 50, 60	No cables	11.50 x 7.50 x 1.50
2251600-R	Adaptec RAID 3085 kit	8-port, external connectors, 256 MB cache, PCIe x8, RAID levels 0, 1, 1E, 5, 5EE, 6, 10, 50, 60	No cables	11.50 x 7.50 x 1.50
2251800-R	Adaptec RAID 3405 kit	4-port, internal connector, 128 MB cache, PCIe x4, RAID levels 0, 1, 1E, 5, 5EE, 6, 10, 50, 60	1 fanout cable	11.75 x 7.75 x 3.50
2251900-R	Adaptec RAID 3405 SGL/128	4-port, internal connector, 128 MB cache, PCIe x4, RAID levels 0, 1, 1E, 5, 5EE, 6, 10, 50, 60	No cables	11.50 x 7.50 x 1.50
2183100-R	Adaptec RAID 4800SAS kit	8-port, internal/external connectors, 128 MB cache, PCI-X, RAID levels 0, 1, 1E, 5, 5EE, 6, 10	1 fanout cable	11.75 x 7.75 x 3.50
2185600-R	Adaptec RAID 4800SAS SGL/128	8-port, internal/external connectors, 128 MB cache, PCI-X, RAID levels 0, 1, 1E, 5, 5EE, 6, 10	No cables	11.75 x 7.75 x 3.50
2185700-R	Adaptec RAID 4800SAS SGL/256	8-port, internal/external connectors, 256 MB cache, PCI-X, RAID levels 0, 1, 1E, 5, 5EE, 6, 10	No cables	11.75 x 7.75 x 3.50
2183300-R	Adaptec RAID 4805SAS kit	8-port, internal/external connectors, 128 MB cache, PCIe x8, RAID levels 0, 1, 1E, 5, 5EE, 6, 10	1 fanout cable	11.75 x 7.75 x 3.50
2185800-R	Adaptec RAID 4805SAS SGL/128	8-port, internal/external connectors, 128 MB cache, PCIe x8, RAID levels 0, 1, 1E, 5, 5EE, 6, 10	No cables	11.50 x 7.50 x 1.50
2185900-R	Adaptec RAID 4805SAS SGL/256	8-port, internal/external connectors, 256 MB cache, PCIe x8, RAID levels 0, 1, 1E, 5, 5EE, 6, 10	No cables	11.50 x 7.50 x 1.50
2246200-R	Adaptec RAID 4000SAS SGL/128	0-channel, 128 MB cache, PCI-X, RAID levels 0, 1, 1E, 5, 5EE, 6, 10	No cables	11.46 x 7.63 x 1.65
2216400-R	Adaptec RAID 48300 kit	8-port, internal/external connectors, PCI-X, HostRAID levels 0, 1, 10	1 fanout cable	9.00 x 2.50 x 7.00
2254000-R	Adaptec RAID 48300 SGL	8-port, internal/external connectors, PCI-X, HostRAID levels 0, 1, 10	No cables	11.50 x 7.50 x 1.50

Adaptec Unified Serial™ Controllers

Adaptec Unified Serial™ controllers deliver outstanding flexibility and performance for customers who need either high capacity Serial ATA (SATA) drives or high performance Serial Attached SCSI (SAS) drives—or the ability to integrate both in a single system. Leveraging SAS technology, these controllers deliver a rich feature set.



Features ▶

- PCI Express host interface
- Up to 16 ports
- Dual-port failover
- Low-profile designs
- Advanced RAID data protections

Benefits ▶

- Integrates SATA/SAS in a single storage system
- Support for the latest PCI Express host interface
- Highest data protection available including RAID levels 0, 1, 1E, 5, 5EE, 6, 50, and 60
- Three-year warranty
- Maximum scalability without losing performance
- High performance external storage with path failover

Applications ▶

- Ideal for high density server and workstation applications
- Attach directly to SATA and SAS midplanes
- Broadest operating system support, including Windows Vista
- Internal storage with advanced RAID

Product Specifications ▶

Part Number	Name	Product Description	Cables	Dimensions L x W x H (inches)
2220600-R	Adaptec RAID 58300 kit	8-port, external connectors, PCI-X, HostRAID levels 0, 1, 10	No cables	9.00 x 2.50 x 7.00
2220300-R	Adaptec RAID 44300 kit	4-port, internal connectors, PCI-X, HostRAID levels 0, 1, 10	1 fanout cable	9.00 x 2.50 x 7.00
2253900-R	Adaptec RAID 44300 SGL	4-port, internal connectors, PCI-X, HostRAID levels 0, 1, 10	No cables	11.50 x 7.50 x 1.50
2240900-R	Adaptec SATA RAID 1430SA kit	4-port, PCIe x4, HostRAID levels 0, 1, 10, JBOD	4 cables	9.00 x 2.50 x 7.00
2241000-R	Adaptec SATA RAID 1430SA single	4-port, PCIe x4, HostRAID levels 0, 1, 10, JBOD	No cables	11.50 x 7.50 x 1.50
2232100-R	Adaptec SATA RAID 1220SA kit	2-port, PCIe x1, HostRAID levels 0, 1, JBOD	2 cables	9.00 x 2.50 x 7.00
2255900-R	Adaptec SATA RAID 1220SA single	2-port, PCIe x1, HostRAID levels 0, 1, JBOD	No cables	11.50 x 7.50 x 1.50
2170200-R	Adaptec SATA RAID 1420SA kit	4-port, PCI-X, HostRAID levels 0, 1, 10, JBOD	4 cables	9.00 x 2.50 x 7.00
2170500-R	Adaptec SATA RAID 1420SA single	4-port, PCI-X, HostRAID levels 0, 1, 10, JBOD	No cables	11.50 x 7.50 x 1.50
2015000-R	Adaptec SATA RAID 1210SA kit	2-port, PCI, HostRAID levels 0, 1, JBOD	2 cables	9.00 x 2.50 x 7.00
2255800-R	Adaptec SATA RAID 1210SA single	2-port, PCI, HostRAID levels 0, 1, JBOD	No cables	11.50 x 7.50 x 1.50
2169900-R	Adaptec SATA RAID 2820SA kit	8-port, 128 MB cache, PCI-X, RAID levels 0, 1, 1E, 5, 5EE, 6, 10, 50, 60	4 cables	11.75 x 7.75 x 3.50
2254300-R	Adaptec SATA RAID 2820SA SGL/128	8-port, 128 MB cache, PCI-X, RAID levels 0, 1, 1E, 5, 5EE, 6, 10	No cables	11.50 x 7.50 x 1.50
2170000-R	Adaptec SATA RAID 2820SA SGL/256	8-port, 256 MB cache, PCI-X, RAID levels 0, 1, 1E, 5, 5EE, 6, 10, 50, 60	No cables	11.75 x 7.75 x 3.50
2169300-R	Adaptec SATA RAID 2420SA kit	4-port, 128 MB cache, PCI-X, RAID levels 0, 1, 1E, 5, 5EE, 6, 10	4 cables	11.75 x 7.75 x 3.50
2254200-R	Adaptec SATA RAID 2420SA SGL/128	4-port, 128 MB cache, PCI-X, RAID levels 0, 1, 1E, 5, 5EE, 6, 10	No cables	11.50 x 7.50 x 1.50
2169400-R	Adaptec SATA RAID 2420SA SGL/256	4-port, 256 MB cache, PCI-X, RAID levels 0, 1, 1E, 5, 5EE, 6, 10	No cables	11.75 x 7.75 x 3.50
1961900-R	Adaptec SATA RAID 2410SA kit	4-port, 64 MB cache, PCI, RAID levels 0, 1, 5, 10	4 cables	9.00 x 2.50 x 7.00
2254100-R	Adaptec SATA RAID 2410SA SGL/64	4-port, 64 MB cache, PCI, RAID levels 0, 1, 5, 10	No cables	11.50 x 7.50 x 1.50
2113400-R	Adaptec SATA RAID 2020SA kit	0-channel, 64 MB cache, PCI, RAID levels 0, 1, 5, 10	No cables	11.50 x 7.60 x 2.90
2113600-R	Adaptec SATA RAID 2025SA kit	0-channel, 64 MB cache, unique PCI, RAID levels 0, 1, 5, 10	No cables	11.50 x 7.60 x 2.90