

Adaptec Raid Card

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Adaptec RAID 5805Z

The premium Series 5Z family of Unified Serial controllers offers full cache protection without battery installation, monitoring, or replacement costs
8 internal port, low profile, PCI-Express (PCIe) Unified Serial RAID controller with Zero-Maintenance Cache Protection delivers exceptional performance, Intelligent Power Management, advanced data protection, maximum scalability and the lowest total cost of ownership for enterprise-class, high-density server applications

The Series 5Z family of high-performance Adaptec Unified Serial® (SATA/SAS) RAID controllers offers both high I/O transaction and high bandwidth processing for use with cost-effective, high-capacity SATA drives or high-performance SAS drives.

The Adaptec RAID 5805Z utilizes industry-leading dual core RAID on Chip (ROC), 512MB of DDR2 write cache, and connectivity with the latest x8 PCI-Express to deliver over 250,000 I/Os 1.2GBs. Using SAS expanders, it can connect up to 256 SATA/SAS devices.

The Adaptec RAID 5805Z supports a broad range of operating systems, compatibility with more than 300 third-party devices, and full integration with Adaptec Storage Manager™ for centralized management of all Adaptec RAID controllers on the network.

Zero-Maintenance Cache Protection – Save Thousands of Dollars in Data Center Costs

Adaptec Series 5Z controllers introduce Zero-Maintenance Cache Protection, a revolutionary advancement that maximizes performance and extends power savings by protecting controller cache without battery backup units and without incurring monitoring, maintenance, replacement or disposal costs. During a system power loss, the flash memory-based cache protection can preserve data for up to 10 years.

Intelligent Power Management - Reduce Power by up to 70%

Adaptec Intelligent Power Management slashes storage power and cooling costs by spinning down idle disks and providing a lower power mode for active disks.

Highlights

- Zero-Maintenance Cache Protection
- Intelligent Power Management
- 8 internal ports
- MD2 – Low profile form factor
- 1.2GHz Dual Core RAID on Chip (ROC)
- 8-Lane PCI-Express bus interface
- 0, 1, 1E, 5, 5EE, 6, 10, 50, 60, JBOD
- Support for Hybrid SSD/HDD RAID 1, 10
- 512MB DDR2 cache
- 4GB NAND flash for cache protection
- 2 SFF-8087 (int.)
- Up to 256 SATA or SAS devices using SAS expanders
- Adaptec Storage Manager, Copyback Hot Spare management features
- RoHS compliant
- 3 year warranty
- Complete List of Supported Operating Systems



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