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Adaptec RAID 5805

The premium Series 5 family of Unified Serial controllers out-performs the competition by as much as five times

8 internal-port, low-profile PCI-Express (PCIe) Unified Serial RAID controller with Intelligent Power Management delivers exceptional performance, advanced data protection and maximum scalability for enterprise-class, high-density server applications



Part Number: 2244100-R

Where to Buy?

Adaptec Authorised Distributors »

Product Support »

Product Description | Technical Specifications | Cables and Accessories

The Series 5 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 5805 utilises 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/O per second and 1.2GB per second. Using SAS expanders, it can connect up to 256 SATA/SAS devices.

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

Intelligent Power Management - Reduce Power Use by up to 70%

The power required by disks is a primary ongoing storage cost. Full power is maintained to every disk whether it is actively being used or not, which also increases cooling costs. Adaptec Intelligent Power Management slashes power and cooling costs by spinning down idle disks and providing a lower power mode for active disks.

Highlights

- Ports: 8 internal
- Form factor: MD2 – Low profile
- Processor: 1.2GHz Dual Core RAID on Chip (ROC)
- Bus interface: 8-Lane PCI-Express
- RAID levels: 0, 1, 1E, 5, 5EE, 6, 10, 50, 60, JBOD
- Cache: 512MB DDR2
- Connectors: 2 SFF-8087 (int.)
- Scalability: Up to 256 SATA or SAS devices using SAS expanders
- Management features: Adaptec Storage Manager, Copyback Hot Spare
- Battery backup: Yes (optional)
- RoHS compliant: Yes
- Warranty: 3 years
- Complete List of Supported Operating Systems

Product Details

Adaptec RAID Series 5 datasheet

High Performance RAID Controllers in Real-World Scenarios (White Paper)

Adaptec Storage Manager

Xenon Case Study

Adaptec RAID Series 5 Family FAQs

Unified Serial Family Brochure

Compatibility/Integration

Education

Resource Centre »

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