Adaptec RAID 8885

12 Gbps PCIe Gen3 SAS/SATA RAID adapter with 16 (8 internal, 8 external) native ports with LP/MD2 form factor design.

Single P/N: 2277000-R (SRP)
$725.00
*Single does not include cables

Where to Buy?
Find an Adaptec Authorized reseller or distributor.

Status: Currently Shipping

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Product Details »

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Operating System

Microsoft Windows

Red Hat Linux

SUSE Linux

Fedora

Debian Linux

Ubuntu Linux

Sun Solaris

FreeBSD

VMware ESXi

For a detailed list see ASK Answer ID 17318.

Benefits

Ideal for 12Gb/s performance-hungry server and workstations platforms, without compromising proven Adaptec reliability

Customer Needs

High I/O transaction and high bandwidth processing; solutions that reduce energy consumption and maintenance costs.

Key RAID Features

- Flexible Configuration: HBA Mode & Auto Volume Mode for automatic deployment
- Optimized Disk Utilization (Multiple Arrays per disk)
- Supports up to 256 SAS or SATA devices using SAS expanders
- Supported RAID levels: 0, 1, 1E, 5, 6, 10, 50, 60
- Support for native 4K sector SAS and SATA devices in addition to 512byte sector devices
- Hybrid RAID 1 & 10
- Quick initialization
- Online Capacity Expansion
- Performance modes: Dynamic, OLTP & Big Block ByPass
- Copyback Hot Spare
- Dynamic caching algorithm
- Native Command Queuing (NCQ)
- Background initialization
- Hot-plug drive support
- RAID Level Migration

Cache Memory

1024MB

Connector Configuration

Two internal mini SAS HD (SFF-8643), two external mini SAS HD (SFF-8644)

Package Contents

- Adaptec RAID 8885 adapter
- Additional low profile vented bracket

Physical Size

2.535"H x 6.6"L (64mm x 167mm)

Operating Temperature

0°C to 55°C* (with 200 LFM airflow)

Note: This Adaptec card contains a powerful RAID processor which requires adequate airflow to operate reliably. Please install this card only into server or PC chassis with recommended airflow (200 LFM). * Ambient temperature measured 1" away from the RAID processor

Operating Voltage

0.1A @ 3.3VDC 1.2A @ 12VDC

Regulatory Certification

CE, FCC, UL, C-tick, VCCI, KCC, CNS

Environmental Compliance

RoHS

Mean Time Before Failure (MTBF)

>700,000 hours at 40°C

Warranty

3 years

- Hot spares - global, dedicated, and pooled
- Automatic/manual rebuild of hot spares
- SES and SAF-TE enclosure management
- Configurable stripe size
- S.M.A.R.T. support
- Multiple arrays per disk drive
- Dynamic sector repair
- Staggered drive spin-up
- Bootable array support
- Support for Tape Devices, Autoloaders
- MSI-X support for all device driver for all supported Operating Systems
- Secure boot support for the uEFI host bios
- USB image available, after shipping, on start.adaptec.com to boot maxView GUI from any USB device for enhanced GUI based setup and offline maintenance

Management Utilities

Software
- Adaptec maxView Storage Manager
- Web based GUI Management Utility
- OS Support: Windows, Linux, Solaris VMware
- Remote configuration, monitoring & notification
- Remote firmware updates
- SMI-S Support
- SMTP

ARCCONF
- Command Line Interface
- SMI-S support for VMware

Adaptec BIOS Configuration Utility (CTRL+A)
- BIOS level configuration utility
- Flashable BIOS support

Adaptec uEFI BIOS Configuration Utility
- HII based confi guration utility
- Flashable BIOS support

Data Transfer Rate

12Gb/s per port

Bus System Interface

8-lane PCIe Gen3

Form Factor

MD2 – Low Profile

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

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