

Adaptec AEC-82885T Datasheet



Adaptec AEC-82885T 2283400-R 12Gb/s PCIe 3.0 x4 36-port (28 internal/8 external) SAS Expander Card

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PMC Adaptec introduces the Industry's first 36 port, 12Gb/s SAS Expander Card, in a low-profile form factor delivering maximum scalability, flexibility and compatibility.

Benefits

- Low cost solution ideal for density optimized servers requiring direct connectivity to up to 24 SAS or SATA HDDs and SSD.
- Supports 12 Gbps data rates and is backward compatible to 6 Gbps.

Key Differentiators

- 36 ports (28 internal, 8 external) in low-profile MD2 form factor
- Enables both internal and external connectivity
- Backwards compatible to 6 Gbps for legacy 6G SAS or SATA devices
- Complete portfolio of mini-SAS HD cables available

Customer Needs

- High I/O transaction and high bandwidth processing; solutions that reduce energy consumption and maintenance costs;
- low-profile form factor.

Management Utilities

- Microsemi Adaptec maxView Storage Manager

Data Transfer Rate

- 12 Gbps per port
- 6 Gbps per port

Form Factor

- MD2 – Low Profile

Package Contents

- Adaptec SAS Exander 82885T Card

Physical Size

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

Operating Temperature

- 0°C to 55°C* (with 200 LFM airflow)

Note: Please install this card only into server or PC chassis with recommended airflow (200 LFM). For maximum heat sink efficiency, the air should bypass the card horizontally.

Operating Voltage

- 1.34A @ 12 VDC

Regulatory Certification

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

Environmental Compliance

- RoHS

Mean Time Before Failure (MTBF)

- 1,000,000 hours at 40°C

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