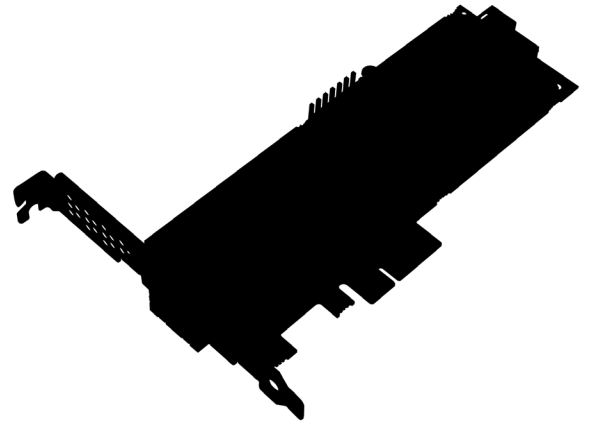# Adaptec 12Gb/s 36-port SAS Expander Card
(82885T)

Scalable Storage Solutions for Data Centers

The 12Gb/s Adaptec 82885T SAS Expander Card offers a scalable connectivity / fan-out option for additional drives when used in conjunction with a SAS RAID adapter or SAS HBA. The 82885T SAS Expander Card offers 36 ports in a low-profile MD2 form factor with 28 internal ports for connection to a SAS controller and/or SAS or SATA drives and 8 external ports for optional connections to external JBODs or a SAS adapter.

Adaptec 82885T Features:

- Enables high-density storage within the server while maintaining a passive backplane

- Enables both internal and external connectivity

- Significantly lower power consumption than competing solutions

- Backwards compatible to 6Gb/s for legacy 6G SAS or SATA devices

- Support for SGPIO and SES2 enclosure management

Flexibility of Configuration

The Adaptec 82885T SAS Expander Card mounts internally to any available PCIe slot, away from the backplane, and features mini-SAS HD connectors out the top for added cabling flexibility in dense server environments. The 82885T enables a low cost drive expansion solution when mated with a RAID adapter or HBA. The expander draws power from the PCIe slot (requires 4 or more lanes), but there is no data transfer to the slot. Alternatively, power can also be supplied to the expander card through a standard 4-pin auxiliary power connector.

Enclosure Management Support

The Adaptec 82885T SAS Expander Card supports SGPIO and SES2 enclosure management, allowing enclosure information to be routed from all daisy-chained 82885T cards to the HBA or RAID adapter. All device and slot mapping information is provided to the HBA or RAID adapter by the last 82885T card in the chain.

Universal Compatibility with Existing Storage Infrastructure

The Adaptec 82885T SAS Expander Card is fully compatible with Adaptec Series 8, Series 7 and Series 6 RAID adapters and HBAs, allowing for a seamless integration and management within an end-to-end Adaptec solution. The 82885T is also compatible with 3rd party RAID adapters and HBAs and has also been tested for interoperability with a wide variety of SAS and SATA HDDs and SSDs.

www.adaptec.com