# HP StorageWorks EVA iSCSI Connectivity Option

Simple, cost-effective storage connectivity

## A low cost connectivity option for remote server storage consolidation into a Fibre Channel Storage Area Network (SAN)

As mid-range and enterprise businesses grow, so does the amount of information required to manage, share, and protect. Rapid growth may increase the cost of operations and spread critical business data and resources across multiple systems and applications. The Hewlett-Packard StorageWorks EVA iSCSI Connectivity Option extends the FC SAN investment with integrated multi-protocol support, allowing customers to incorporate iSCSI servers without requiring additional storage arrays or management costs.

The EVA iSCSI Connectivity Option offers simultaneous iSCSI and Fibre Channel support, providing modular multi-protocol SAN designs with increased scalability, stability and ROI on storage infrastructure. Fibre Channel SANs based on EVA technology are able to leverage IP networks and extend SAN advantages into smaller departments and remote locations, where budget constraints would not allow for a FC SAN. This enables storage consolidation by creating larger SANs extending over longer distances providing access to storage that can be scaled or re-allocated when needed.

When the EVA iSCSI Connectivity Option is combined with ATTO Technology Inc.'s Xtend SAN iSCSI initiator, HP customers operating in Macintosh environments are presented with a connectivity option for accessing native Fibre Channel storage.

## Simple, cost-effective iSCSI storage connectivity

The HP StorageWorks EVA iSCSI Connectivity Option is ideal where the cost of connectivity or the distances between server and storage are too great.

The EVA iSCSI Connectivity Option offers:

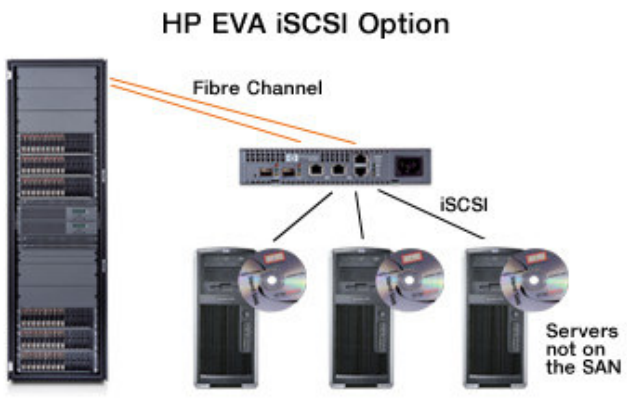
**Agility – Increased Consolidation:** The EVA iSCSI Connectivity Option extends the advantages of Fibre Channel SANs to smaller departments and remote locations, for Enterprise and Mid-Range applications where the cost of Fibre Channel connectivity is not warranted. It enables the EVA to support access via FC and iSCSI simultaneously.

**Simplicity – Cost Effective Solution:** The EVA iSCSI Connectivity Option provides a solution allowing servers to attach to EVA FC SANs using available iSCSI initiators, like ATTO's Xtend SAN, and leveraging existing Ethernet networks to deliver SAN-like benefits, and to attach servers to an EVA FC SAN at a lower cost than Fibre Channel. The Connectivity Option extends the EVA FC investment protection with centralized Command View software management, but without additional storage arrays.

**Value – Seamless environment:** The EVA iSCSI Connectivity Option provides for storage consolidation around an EVA by simplifying management and backup. Both iSCSI and FC can be managed with Command View software. It extends EVA FC SAN solutions with integrated multi-protocol support, and the iSCSI device can be mounted in the rack with EVA.

# HP StorageWorks EVA iSCSI Connectivity Option

Enables a cost effective consolidation solution to extend SAN advantages into smaller departments and remote locations where budget constraints would not allow for a FC SAN.




**Specifications:**

**Product models**
HP StorageWorks EVA iSCSI Connectivity Option (AE324A)
HP StorageWorks EVA iSCSI Upgrade Option (AE325A)

**Devices supported**
Microsoft® Windows® iSCSI Initiator 2.02, 2.03
Microsoft Windows MPIO
Open iSCSI Linux® driver 3.6.3
ATTO Xtend SAN iSCSI Initiator 2.11
EVA4000/6000/8000 (XCS 6.000, 5.100, 5.031)
EVA3000/5000 (VCS 4.001, 3.028)
HP StorageWorks mpx100 firmware 2.0.6.9
HP StorageWorks mpx100 Manager 2.0.30 Build 93 (Windows, Linux)
HP StorageWorks Command View EVA 5.0

**Operating systems**
Apple Macintosh, MAC OS X 10.4.8, 10.4.7
Microsoft Windows 2003, SP1
Red Hat Enterprise Linux:
Red Hat Enterprise Linux 4 update 3 (kernel 2.6.9-34)
Red Hat Enterprise Linux 3 update 5
SUSE® Linux Enterprise Server:
SUSE Linux Enterprise Server 9, SP3 (2.6.5 kernel)
SUSE Linux Enterprise Server 8, SP4
VMware 3.01
Solaris 10

**How to Buy**
Contact your local HP representative
Visit www.hp.com/go/eva

## ATTO Technology provides Macintosh integration with HP Fibre Channel SANs

HP and ATTO Technology have partnered to deliver high-performance and reliable connectivity between Macintosh computers and HP StorageWorks Enterprise Virtual Storage (EVA) arrays.

ATTO's Xtend SAN iSCSI initiator allows Mac users to tap the incredible opportunity offered by iSCSI SANs by enabling Fibre Channel storage devices to connect to multiple servers for consolidation of large storage pools over long distances, increased accessibility and simplified storage management. Utilizing ATTO's Xtend SAN iSCSI initiator, companies with islands of Macintosh computers can now reap the benefits of consolidated storage in a world-class enterprise level storage array. The partnership between Hewlett-Packard and ATTO Technology enables up to 150 remote and local servers to connect to a single StorageWorks Enterprise Storage Array.

ATTO
ATTO Technology, Inc.

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