ATTO

ATTO Technology, Inc.

Mac

Features

Data Accessibility

- Remote connectivity to Fibre Channel SAN via iSCSI

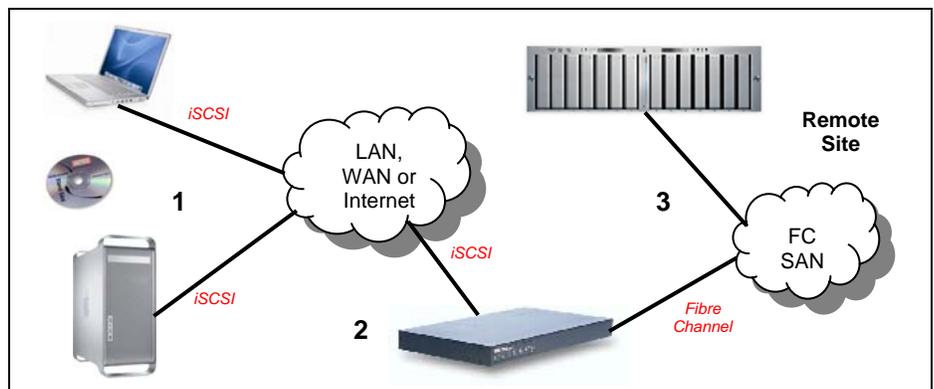- Access, backup, share or edit critical data

High Performance

- Connectivity to one device or entire SAN

- Upwards of 500MB/sec. of bandwidth to a Fibre Channel SAN

Existing Infrastructure Integration

- Utilizes current Gigabit Ethernet network

- Uses common TCP/IP protocol

Connecting Macs to a Fibre Channel SAN using iSCSI

ATTO's Remote Connectivity Solution Solves Fibre Channel Connectivity Problems

STAY CONNECTED

Storage Area Networks (SANs) are increasing in popularity for businesses that want to allow access to critical data. Considering this trend, more and more remote workers need simple connectivity to SANs. This presents a challenge to remote Mac users because they are unable to install Fibre Channel connectivity into their MacBook Pro®, MacBook®, PowerBook®, iMac® or Mac Mini®. ATTO's Remote Connectivity Solution allows remote access to Fibre Channel storage, such as Apple Xserve® RAID, using the built in Ethernet connection, software and a bridging device. This solution facilitates easier access to data, collaboration on projects and editing of audio or video files directly on the SAN.

A WINNING COMBINATION

Data can be instantly moved over IP to and from a remote location by combining the ATTO Xtend SAN software-based iSCSI initiator with an ATTO iP-Bridge™ 2700. The Xtend SAN software allows Mac OS X servers, workstations and laptops the ability to communicate with Fibre Channel storage devices over an Ethernet network when used with the iPBridge 2700 iSCSI-to-Fibre Channel bridge. The iPBridge 2700 provides connectivity to one backup device or to the entire remote SAN and supports four iSCSI (Gig-E) ports bridged to two 4-Gb Fibre Channel ports.

REMOTE CONNECTIVITY IN ACTION

1 - With ATTO's Xtend SAN Mac iSCSI initiator installed, remote Macs connect to a LAN, WAN or the Internet using the Ethernet connection

2 - ATTO's iPBridge 2700 converts iSCSI traffic to Fibre Channel

3 - Fibre Channel storage, such as Apple Xserve RAID, is accessible to the iSCSI clients

ATTO Xtend SAN

Easy to use
- Intuitive GUI-based management
- Simple set up and use

Compatible
- Compatible with Apple's built-in Gigabit Ethernet port
- Compatible with latest iSCSI specification

ATTO iPBridge™ 2700C/R/D

High Performance
- Four independent Gigabit Ethernet ports for iSCSI traffic
- Two independent 4-Gigabit Fibre Channel ports
- Features ATTO's *i*ntelligent Bridging Architecture™

Easy to use
- Easy web-based administration
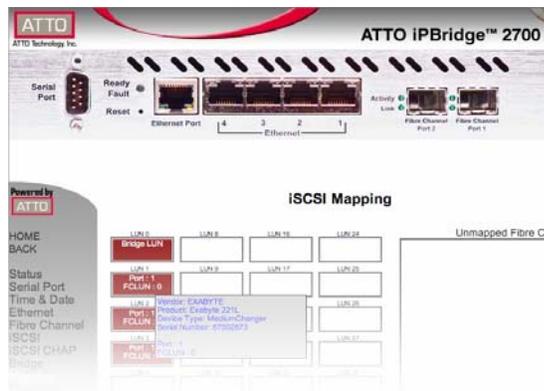- Simple set up and configuration

Compatible
- Compatible with all leading tape drives, libraries and Fibre Channel switches
- Compatible with all Mac® OS X-based products
- Auto negotiates to 4/2/1-Gigabit Fibre Channel

Product: AAPL-2700-X01

IT JUST WORKS BETTER

iSCSI works by encapsulating SCSI data into TCP/IP packets. This allows remote applications to send standard block level SCSI data over existing IP infrastructures. As a result, these applications see the remote storage device as if it were locally connected, similar to Fibre Channel. Because of this, most volume management software, such as Apple's Xsan, works perfectly with iSCSI.

With ATTO's Xtend SAN iSCSI initiator, the Gigabit Ethernet port on any Macintosh computer can be turned into a high-performance storage connectivity port while continuing its use for other Ethernet services. The ATTO iPBridge 2700 receives the iSCSI data and converts it to Fibre Channel. The iPBridge 2700 can be connected to a fabric or directly to the storage device. Each Gigabit Ethernet link provides nearly 125MB/sec. of performance through each Ethernet port. The four Gigabit Ethernet ports on the iPBridge 2700 collectively provide nearly 500MB/sec. of bandwidth to a Fibre Channel SAN and with ATTO's ExpressNav web-based management, setting up and managing the SAN is quick and simple.

ATTO's iPBridge 2700 iSCSI-to-Fibre Channel bridge provides extensive diagnostic and management tools.

PROBLEM SOLVED

This solution allows a remote user to overcome the distance limitations of the work environment to harness the power of remote SAN connectivity. Using ATTO's Xtend SAN iSCSI Mac initiator and the iPBridge 2700, remote Macs can now be connected to a Fibre Channel SAN in ways never before possible. With ATTO's Remote Connectivity Solution, even laptops can access Fibre Channel SANs at high speed, allowing for better collaboration and faster access to data.

Please visit: http://www.attotech.com/apple.html for more information or to purchase. Product bundle model number: AAPL-2700-X01

Technology Brief
Connecting Macs to a FC SAN using iSCSI