TECH BRIEF

ATTO

Technical Highlights

- High performance - capable of supporting multiple streams of audio and video
- Supports disk and tape targets
- Supports MCS:Multiple Connections per Session
- Support for IPv4 and IPv6
- iSCSI error handling and recovery
- CHAP security support
- iSNS Client support
- Login Redirect functionality
- Header and data digest support with class 1 error recovery
- Easy-to-use intuitive GUI-based installation and management
- CLI interface for automation
- Compatible with macOS
- Compatible with leading Ethernet switches, network interface cards (NICs) and converged network adapters
- Compatible with leading ISV backup software solutions
- Compatible with market leading iSCSI storage products

iSCSI Initiator for macOS®

ATTO Xtend SAN™

ATTO Xtend SAN™ enables Mac® users to remotely access iSCSI storage over an Ethernet network. Disk volumes show up on your desktop as if they were locally attached, even if your storage is located across the world.

PERFORMANCE ENGINEERED

ATTO iSCSI Initiator for macOS®, Xtend SAN, allows macOS users to utilize and benefit from Internet SCSI (iSCSI), which is the fastest growing networking protocol. iSCSI allows users to take advantage of their existing Ethernet expertise and infrastructure while reaping the benefits of network attached storage, avoiding the cost and complexity associated with Fibre Channel. iSCSI is an important enabler for applications such as collaborative digital video/audio workflows, laptop connectivity to SANs, and remote backups.

WORK WHERE AND WHEN YOU WANT TO

With iSCSI your workflow is not bound by location, allowing enhanced data protection by copying data to multiple remote sites to assist in disaster recovery efforts. Need to access daily video footage from New York even though your shoot is in Vancouver? Want to work from home when you don't feel like fighting traffic for the day? All of this can be done with the Mac you already own, Xtend SAN and iSCSI Ethernet connected storage.

EASY TO USE

Mac users expect macOS compatible software to reflect the simplicity and elegance that macOS is renowned for. Xtend SAN is no exception, as management and configuration are simplified thanks to an intuitive graphical user interface (GUI), which also guides users through initial setup. An advanced CLI is also available to provide scripting capabilities which allow users to access the most frequently used features of the GUI.

ABOUT ATTO

For over 35 years, ATTO has been a global leader across the IT and media & entertainment markets, specializing in storage and network connectivity and infrastructure solutions for the most data-intensive computing environments. ATTO works with partners to deliver end-to-end solutions to better store, manage and deliver data. Working as an extension of customer's design teams, ATTO manufactures host bus adapters, network adapters, storage controllers, Thunderbolt™ adapters, and software. ATTO solutions provide a high level of connectivity to all storage interfaces, including Fibre Channel, SAS/SATA, iSCSI, Ethernet, NVMe, NVMe over Fabrics and Thunderbolt. ATTO is the Power Behind the Storage.

APPLICATIONS

An Example of an iSCSI Digital Video SAN

In the illustration shown below, ATTO Xtend SAN is enabling iSCSI connectivity on a MacBook Pro®, MacBook Pro®, Mac Studio®, and a 2023 Mac Pro®. High-speed Ethernet connectivity is provided via FastFrame™ NICs to the Mac Pro, and also via ThunderLink to the Mac Studio and MacBook Pro. Together, this combination of ATTO hardware and software products enable a simple-to-use iSCSI SAN, with shared access to the iSCSI storage device.

SOFTWARE SPECIFICATIONS

ATTO Xtend SAN package for macOS consists of an iSCSI device driver and a management interface:

- The iSCSI Device Driver is responsible for moving data from the storage stack over to the network stack, where it can be passed to and from the outside world using a standard Ethernet network.

- The management interface is designed to allow users the ability to configure specific protocol options and manage target devices through an easy-to-use graphical user interface.

MacBook Pro with
ATTO ThunderLink and ATTO Xtend SAN

Mac Pro with ATTO FastFrame
and ATTO Xtend SAN

Ethernet Switch

iSCSI Storage Device

Mac Studio with ATTO ThunderLink and
ATTO Xtend SAN

Ethernet

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