



ThunderLink™ Thunderbolt™-to- 8Gb/s Fibre Channel Desklink™ Device

ThunderLink™ FC 1082

ATTO's 8Gb/s Fibre Channel to Thunderbolt Desklink Device product provides the highest performing SAN storage connectivity for content creation, streaming media and high performance and low latency workflows.

Industry Proven Technology

ATTO has over 25 years of experience developing first-to-market high performance and reliable storage connectivity solutions for customers. ATTO ThunderLink Fibre Channel products now provide creative professionals using Thunderbolt-enabled hosts, cost effective access to storage not previously available using FireWire or USB. The integrated family of ThunderLink products boasts an extensive list of customer design wins and certifications with respected industry partners.

Flexible Connectivity Solutions

With dual channel configuration, and support for load balancing and failover, the 8Gb/s Fibre Channel Desklink Devices are an ideal solution for users looking to achieve the highest I/O and data throughput for advanced video and access to IT applications. ThunderLink 8Gb/s Fibre Channel Desklink Devices offer driver support for Mac OS® X 10.6.8 and later and Windows® 7 and 8.1 (Linux® when Thunderbolt enabled platforms become available), providing a single connectivity solution for customers with heterogeneous operating system environments.

Performance Engineered

Fibre Channel Desklink Devices are designed to provide fast, redundant and highly available connectivity to Fibre Channel storage, and are engineered to manage latency for real-time applications. ATTO's exclusive Advanced Data Streaming (ADS™) technology provides controlled acceleration of data to deliver the highest consistent performance and reliable data transfers for video editing, digital audio, video on demand, or database applications. ATTO pays close attention to detail in board design and signal integrity to minimize transmission errors and data corruption. Specialized Fibre Channel drivers with support for multipathing make ATTO the premier choice for high-performance Fibre Channel SAN connectivity.

Advanced Management Tools

ATTO's easy-to-use ConfigTool features an intuitive GUI that simplifies the installation, management and monitoring of the Desklink Device. With advanced troubleshooting and performance tuning capabilities, ConfigTool provides users with sophisticated diagnostics and the flexibility to control settings for specific applications.

Technical Features

- Dual 8Gb/s Fibre Channel Ports
- (2) Optical SFPs+ included
- Dual 10Gbps Thunderbolt with Display Port and PCIe Support
- Thunderbolt certified for Mac and PC
- Dual ports enable daisy-chaining up to six devices
- Exclusive Advanced Data Streaming (ADS™) Technology
- ATTO ConfigTool for customized performance settings
- Proven interoperable with leading storage hardware and software vendors
- Complete SAN connectivity when combined with ATTO FibreConnect 8Gb/s Fibre Channel switches
- Industry's lowest power consumption
- 3-year standard product warranty
- RoHS Compliant

MultiPath Director™

- High-availability storage connectivity solution for workstation and server.
- Multiple paths to storage for improved data integrity and reliability

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Technical Specifications

Applications

ATTO ThunderLink Fibre Channel products deliver high-performance and reliable connectivity solutions for the most demanding storage environments, including digital content creation, tape streaming and backup, rich content delivery, server clustering, and complex databases. ATTO ThunderLink Fibre Channel products enable users to achieve the ultimate in I/O performance for real-time and transactional applications.

Advanced Data Streaming (ADS™)

Latency-management technology that controls the acceleration of data transfers to move large amounts of data faster and more efficiently.

Key Features

- Auto Negotiation to 8Gb, 4Gb and 2Gb devices
- Supports arbitrated loop, point-to-point and direct fabric/switch attach
- ANSI Fibre Channel: FC-FS, FCP, FC-AL, FC-AL2, FC-PLDA, FC-FLA
- Flash ROM for easy field upgrades
- FC Class 3 Support
- Buffer Credits: 41
- Software RAID support with ATTO's Power Center software
- Pluggable optical LC SFP+

User Benefits

- Superior performance for a wide range of applications
- Low power consumption
- Increased switch port availability
- Reduced cost per MB of data transferred
- Seamless integration into existing FC SANs
- Support for virtualized server environments
- Extensive certification with SAN infrastructure components

Management Tools

- ATTO ConfigTool (w/GUI) management and configuration utility

External Connectivity

Fibre Channel Device Connectors :

- Dual (2) 8Gb optical LC SFP+ modules included
- External LEDs for on-line and speed status for each port

Operating System Support

- Mac OS® X 10.6.8 and later
- Windows® 7 and 8.1

Compliance

- FCC Part 15, Subpart B, Class B
- EN55022, Class B/EN55024
- EN60825-1
- EN60825-2
- EN60950-1
- cTUVus
- EU RoHS (2002/95/EC)

Dimensions

- Depth 9", Width 5", Height 2.5"

Power Adapter

- 100-240VAC, 50-60Hz, 0.5A Max
- 12VDC

Environmental

Operating Temperature :

- Temperature: 0-40° C
- Humidity: 10 - 90% non-condensing

Storage Temperature :

- Temperature: -40-70° C
- Humidity: 5- 95% non-condensing

Operating Voltage

- 110-240 VAC

Warranty

- 3 Year



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Model Number	TLFC-1082-D00 (US) TLFC-1082-DE0 (EU/ UK)
Input Connectors	(2) 10Gb/s Thunderbolt™
Output Connectors	(2) 8Gb/s Fibre Channel
Connector Type	(2) LC SFP+
Form Factor	Desktop
Warranty	3 Years

What is Thunderbolt™

Thunderbolt™ technology is a new, high-speed I/O technology designed for performance, simplicity, and flexibility. Thunderbolt™ technology features:

- Simultaneous bi-directional, 10 Gbps transfers over a single cable
- Dual-protocol support (PCI Express and DisplayPort)
- Compatible with existing DisplayPort devices
- Daisy-chaining devices
- Choice of electrical or optical cables
- Low latency with highly accurate time synchronization for professional audio and video applications
- Uses native protocol software drivers
- Power-over-cable for bus-powered devices

