



# 20Gb/s Thunderbolt™ 2 to 8Gb Fibre Channel Desklink Device

## ThunderLink™ FC 2082

Thunderbolt 2 to 8 Gigabit Fibre Channel Desklink Devices provide maximum throughput for high bandwidth network connectivity for demanding IT and media and entertainment applications.

### 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 can support both local and storage area networks for Mac OS® X 10.9 and later and Windows® 7 and 8.1 platforms (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 Fibre Channel ports
- (2) SFP+ LC optical modules included
- Supports 4K video file transfer and display simultaneously with dual 20Gb/s Thunderbolt 2
- Daisy chain up to 5 additional Thunderbolt technology-enabled devices
- Backwards compatible with 10Gb/s Thunderbolt
- Complete SAN connectivity when combined with ATTO FibreConnect Fibre Channel switches
- 3-year standard product warranty
- RoHS Compliant

### MultiPath Director™

- High-availability storage connectivity solution for a wide array of certified enterprise-class storage systems from leading storage providers
- Multiple paths to storage for improved data integrity and reliability

**ThunderLink™**

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Tech Sheet

## Technical Specifications

### Applications

ATTO ThunderLink Fibre Channel Desklink Devices 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 FC 2082 products enable users to achieve the ultimate in I/O performance for real-time and transactional applications.

### General 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: 81
- Software RAID support with ATTO's Power Center software
- Supports FDMI and WMI
- Supports NPIV and Virtual Fabric

### Advanced Software Features

- Adaptive load balancing

### 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

### Operating System Support

- Mac OS® X 10.9 and later
- Windows® 7 and 8.1

### Dimensions

- Depth 9", Width 4.5", Height 1.5"

### Power Adapter

- 100-240VAC, 50-60Hz, 0.6A Max
- 12VDC

### External Connectivity

- Dual (2) 8Gb SFP+ LC Optical modules
- External LEDs for on-line and speed status for each port
- LED Indicators: LINK (solid), ACTIVITY (blinking), LINK SPEED (ON = 8Gb, OFF = 4Gb, 2Gb)

### Environmental

#### Operating Temperature :

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

#### Storage Temperature :

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

### Compliance

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

### Warranty

- 3 Years

### Ordering Information

Phone: 716-691-1999 ext. 241

### Thunderbolt 2 to 8Gb Fibre Channel

ThunderLink FC 2082: TLFC-2082-D00

ThunderLink FC 2082: TLFC-2082-DE0

### Complementary Products

ATTO Celerity™ Fibre Channel HBAs  
 ATTO ExpressSAS™ HBAs and RAID Adapters  
 ATTO FastFrame™ CNAs & NICs  
 ATTO FastStream™ RAID Storage Controllers  
 ATTO FibreBridge™ Fibre Channel Bridges  
 ATTO FibreConnect™ Fibre Channel Switches  
 ATTO premium cables

ThunderLink FC 2082	
Model Number	TLFC-2082-D00 (US) TLFC-2082-DE0 (UK/EMEA)
Input Connectors	(2) 20Gb/s Thunderbolt™ 2
Output Connectors	(2) 8Gb/s Fibre Channel
Connector Type	SFP+ LC Optical
Form Factor	Desktop
Warranty	3 Years

