TECH SPEC

ATTO



ThunderLink FC-5082

ATTO Thunderlink Thunderbolt 5 to 8Gb Fibre Channel adapters provide maximum throughput for high bandwidth network connectivity for demanding IT and media & entertainment applications.

Technical Features

- 5th generation Thunderbolt 80Gb/s
- Dual Thunderbolt 5 USB-C connectors
- Dual 8Gb Fibre Channel Ports
- Supports 8K video file transfer and display simultaneously with dual Thunderbolt 5 (80Gb/s)
- ATTO MultiPath Director™ failover and load balancing
- ATTO ConfigTool™ for customized performance settings
- Daisy chain up to five additional Thunderbolt technology enabled devices
- Backwards compatible with previous generation USB-C Thunderbolt enabled hosts and devices
- Driver support for macOS®, Windows®, and Linux® operating systems
- Advanced Data Streaming (ADS™) Technology
- Three-year standard product warranty
- TAA Compliant (USA country of origin)
- RoHS compliant
- Support for downsteam USB 2/3/4 devices for more coverage

ATTO ThunderLink® FC-5082

Thunderbolt™ 5 Connectivity to 8Gb Fibre Channel

Industry Proven Technology

ATTO has over 30 years of experience developing first-to-market high performance and reliable storage connectivity solutions for customers. ATTO ThunderLink 5 Fibre Channel adapters now provide creative professionals using Thunderbolt enabled hosts, cost effective access to storage not previously available using USB. The integrated family of ThunderLink adapters boasts an extensive list of customer design wins and certifications with respected industry partners. Now, the combination of ATTO and 8Gb Fibre Channel is being integrated with the latest in cutting edge high performance Thunderbolt 5 connectivity.

Flexible Connectivity Solutions

ATTO 8G Fibre Channel adapters provide the most flexible and scalable connectivity for today's high bandwidth content creation environments. With dual channel configuration, and support for load balancing and failover, 8Gb/s Fibre Channel is an ideal solution for users looking to achieve the highest I/O and data throughput for advanced video and access to IT applications. The guaranteed delivery and reliability of Fibre Channel combined with increased bandwidth of Thunderbolt 5 delivers much-needed performance benefits to bandwidth intensive applications.

Performance Engineered

ThunderLink Fibre Channel devices are designed to provide fast, redundant and highly available connectivity to Fibre Channel storage, and are engineering to manage latency for real-time applications. ATTO 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 storage area network (SAN) connectivity.

Advanced Management Tools

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

About ATTO

For over 35 years, ATTO Technology, has been a global leader across the IT and media & ntertainment markets,specializing in network and storage 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.

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Applications

ATTO ThunderLink® 5 Fibre Channel 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 5082 devices enable users to achieve the ultimate in I/O performance for realtime and transactional applications.

Key Features

- Supports point-to-point and direct fabric/switch attach
- ANSI Fibre Channel: FC-FS, FCP
- Flash ROM for easy field upgrades
- FC Class 3 Support
- Buffer Credits: 80
- Supports FDMI and WMI (Windows only)
- Supports NPIV (Windows only) 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

Management Tools

- ATTO ConfigTool™ featuring monitoring, and analytics

Operating System Support

- macOS®
- Windows®
- Linux®

Dimensions

- 9.45(D) x 4.07”(W) × 1.38”(H)

Power Adapter

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

External Connectivity

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

Environmental

Operating Temperature

- Temperature: 0-40° C at 10,000ft
- 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
- IEC62368-1
- cTUVus
- EU RoHS (2011/65/EC), (EU) 2015/863
- TAA Compliant (country of origin: USA)

Thunderbolt Cabling

- Thunderbolt 5 cables featuring 80Gbps

Warranty

- Three (3) Years

Ordering Information

- Phone: 716-691-1999

Thunderbolt 5 to 64Gb Fibre Channel

- ThunderLink FC 5082: TLFC-5082-D00 (US version)
- ThunderLink FC 5082: TLFC-5082-DE0 (UK/EMEA version)
- Additional SKU populated with long range, single mode SFP +s available. Call for availability

Complementary Products

- ATTO Celerity™ Fibre Channel HBAs
- ATTO ExpressSAS® HBAs
- ATTO FastFrame™ SmartNICs
- ATTO FibreBridge® Fibre Channel Bridges



ATTO ThunderLink	FC-5082
Model Number	TLFC-5082-D00 (US) TLFC-5082-DE0 (UK/EMEA)
Input Connectors	(2) 80Gb/s Thunderbolt 5 USB-C
Output Connectors	(2) 8Gb/s Fibre Channel
Connector Type	SFP+ LC Optical
Form Factor	Desktop
Warranty	3 Year