Celerity FC-81EN

ATTO
ATTO Technology, Inc.

Single-channel 8-Gigabit Fibre Channel Host Adapter Featuring ADS™ Technology

Product Features

Blazing Fast Performance
- Industry proven performance for intense video applications demanding multiple streams of uncompressed HD video, 2K and 4K film production
- Delivering industry leading I/O performance for transactional database applications

Smooth Data Streaming
- Alleviate data transfer bottlenecks and move data more efficiently while managing latency with ATTO's exclusive ADS™ technology
- Maximize data flow using the fastest bus interconnect and bus management technology

One Click Installation
- Save time with factory preset configurations for plug and play operation
- Simplify installation, management and monitoring with a multi-platform Configuration Utility featuring an intuitive GUI

The fastest storage technology just got better! The Celerity FC-81EN leverages two next generation storage technologies - PCIe 2 interconnect and 8-Gigabit Fibre Channel.

With 8-Gb FC speeds of up to 1600 MB/second per channel, the FC-81EN supports the most demanding application requirements, including high-definition video, rich content databases and other high-bandwidth environments.

The FC-81ES takes advantage of the latest in host interconnect technology – PCIe 2 – a serial, high-speed connection that supports aggregate through-put up to 8 GB/second (x8 PCIe 2).

ATTO Celerity host adapters are an integrated family of advanced storage connectivity solutions that are designed to provide reliable connectivity, intelligence and scalability. Meeting tomorrow's connectivity needs today, Celerity FC host adapters extend the capabilities of software and hardware, increase overall system performance and drive intelligence all the way to the edge of the SAN. Celerity, a platform for advanced storage connectivity.

Technical Highlights

- **Single-channel 8-Gigabit Fibre Channel Host Adapter**

- **1600 MB/sec. throughput in full-duplex mode**

- **Features a 8 GB/second, high-performance x8 PCI Express 2 (PCIe 2) host connection**

- **Exclusive Advanced Data Streaming (ADS™) Technology**

- **Proven industry interoperability with support for the SNIA HBA API**

- **Driver support for Windows®, Linux, Mac® OS X and more**

- **Backward compatible with 4-Gb and 2-Gb legacy Fibre Channel Products**

- **RoHS Compliant**

- **3-year standard product warranty**

Host Adapter

Celerity FC-81EN
Host Adapter

Hardware Specifications	
Fibre Channel Interface	• Single independent FC port • 8-Gigabit FC data-transfer rates • 1600 MB/sec. maximum full-duplex throughput • Supports all FC topologies; direct fabric, arbitrated loop and point-to-point • ANSI Fibre Channel: FC-PH, FC-FCP, FC-AL, FC-AL2, FC-PLDA, FC-FLA • Flash ROM for easy field upgrades • FC Class 3 Support • Local management and diagnostics • Buffer Credits: 41 • Advanced Data Streaming (ADS™) Technology
Advanced FC Capabilities	• Supports SNIA HBA API • Supports Windows FDMI and WMI • Supports Target and Initiator modes • Backward compatible with 4-Gb and 2-Gb Fibre Channel
Host Bus Specifications	• x8 mechanical and x8 electrical PCI Express 2.0 interconnect • Supports PCI Express Base Spec 2.0 • Supports PCI Express CEM Spec 2.0 • PCI Express 2.0 Hot Plug spec 1.0
External Connectivity	• Easy-to-install full height connection bracket; low-profile bracket included in Finished Goods packaging • External LEDs for on-line and speed status for each channel • Single (1) pluggable optical LC SFP connectors included

Software Specifications	
Driver Support	• Windows Server 2003, 2008, XP, Vista • Red Hat Linux (2.6 kernel) • SUSE Linux (2.6 kernel) • Mac OS X (10.4.x & 10.5.x)

Agency Approvals	
Safety and Environmental	• FCC Rules, Part 15, Class A • CE Mark: CISPR 22:2002/EN55022:2002, Class B

Environmental & Physical Specifications	
Dimensions	• Conforms to PCI Express Low Profile form-factor specs • Length 6.600" • Height 2.731"
Operating Environment	• Temperature: 0-45° C (32°-113°C) • Humidity: 5 - 95% non-condensing
Storage Environment	• Temperature: -40°-70°C (-40°-157°F) • Humidity: 5 - 95% non-condensing
Power	• 12V @ 0.35A max • 3.3V @ @ 0.65A max
Airflow	• 100 lf/m (min) recommended
Optical Cabling	• 50/125μm up to 50m @ 8-Gb • 50/125μm up to 150m @ 4-Gb • 50/125μm up to 300m @ 2-Gb
RoHS Compliant	Yes

Ordering Information	
Model Number	• CTFC-81EN-000 (RoHS)

Technical Specification
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Power Behind the Storage