ATTO Celerity FC-41ES Host Adapter

Host Adapter

Single-channel 4-Gigabit Fibre Channel Host Adapter Featuring ADS™ Technology

The fastest storage technology just got better! The Celerity FC-41ES leverages two next-generation storage technologies - PCI Express interconnect and 4-Gigabit Fibre Channel.

With 4-Gb FC speeds of up to 800 MB/second per channel, the FC-41ES supports the most demanding application requirements, including high-definition video, rich content databases and other high-bandwidth environments.

The FC-41ES takes advantage of the latest in host interconnect technology – PCI Express – a serial, high-speed connection that supports aggregate throughput up to 1 GB/second (x4 PCIe). Software compatible with existing PCI and PCI-X products, the FC-41ES uses the same device drivers as the other Celerity FC family products, simplifying user installation and support.

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.

Coming Soon!

Low Profile FC-41ES RoHS

TECHNICAL HIGHLIGHTS

- **Single-channel 4-Gigabit Fibre Channel Host Adapter**
- **800 MB/sec. throughput in full-duplex mode**
- **Features a 1 GB/second, high-performance x4 PCI Express (PCIe) host connection**
- **Exclusive Advanced Data Streaming (ADS™) Technology**
- **Proven industry interoperability with support for the SNIA host adapter API**
- **Driver support for Windows®, Linux and Mac OS X**
- **Backward compatible with 2- and 1-Gb legacy Fibre Channel products**
- **2-year standard product warranty**
- **RoHS Compliant**

ATTO

ATTO Technology, Inc.

attotech.com

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Preliminary

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Hardware Specifications

Fibre Channel Interface

- Single independent FC ports
- 4-Gigabit FC data-transfer rates
- 800 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-FCP2, FC-AL, FC-AL2, FC-PLDA, FC-FLA
- Flash ROM for easy field upgrades
- FC Class 3 support
- Local management and diagnostics
- Buffer credits: 8 @ 512 Bytes; 8 @ 2kB

Advanced FC Capabilities

- Supports SNIA Host Adapter API
- Supports Windows FDMI and WMI
- Supports target and initiator modes
- Backward compatible with 2-Gb and 1-Gb Fibre Channel

Host Bus Specifications

- x4 mechanical and x4 electrical PCI Express interconnect
- Supports PCI Express Base Spec 1.0a
- Supports PCI Express CEM Spec 1.0a
- PCI Express to PCI/PCI-X Bridge spec 1.0

External Connectivity

- Easy-to-install full height connection bracket
- External LEDs for on-line and speed status for each channel
- Single (1) pluggable optical LC SFP connectors included

Software Specifications

- Windows Server 2003
- Windows XP
- Windows 2000
- Red Hat Linux (2.4 and 2.6 kernel)
- SUSE Linux (2.6 kernel)
- Mac OS X (10.4.x Tiger, or later)

Agency Approvals (Pending)

- FCC Rules, part 15, Class B
- CE Mark: CISPR 22:2002/EN55022:2002, Class B

Environmental & Physical Specifications

Dimensions

- Conforms to PCIe Low Profile form-factor specs
- Length 5.600”
- Height 2.712”

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

- Conforms to PCIe spec 1.0a

Airflow

- 100 lf/m (min) recommended

Optical Cabling

- 50/125µm up to 150m @ 4-Gb
- 50/125µm up to 300m @ 2-Gb
- 50/125µm up to 500m @ 1-Gb

RoHS Compliant

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