

ATTO ExpressPCI FC 3305



2.125-Gigabit Fibre Channel Host Adapter With a Fixed Copper HSSDC Connector

The ATTO ExpressPCI FC 3305 host adapter provides support for 2-Gigabit/sec. Fibre Channel data transfers, and features automatic speed negotiation capability. This allows for complete compatibility with existing 1-Gigabit/sec. Fibre Channel Storage Area Networks (SANs), while enabling seamless upgrades to higher speed 2-Gigabit/sec. SANs.

The ExpressPCI FC 3305 PCI offers a unique combination of hardware and software features that allow users to measure storage performance, and easily configure storage.

In addition to our ExpressPCI FC family of products, ATTO recently released a new line of Fibre Channel adapter products, Celerity FC. Designed to provide reliable connectivity, intelligence and scalability, Celerity FC storage adapters meet tomorrow's connectivity needs today. With several 2-Gb and 4-Gb product options, Celerity FC takes storage connectivity to the next level.

TECHNICAL HIGHLIGHTS

- 2.125-Gigabit Fibre Channel host adapter
- 400 MB/sec. throughput in full-duplex mode
- Fixed copper HSSDC connector
- Support for SNIA HBA API
- 64-bit/66 MHz PCI-X interface
- Optimized Fibre Channel and SCSI-3 algorithms
- Advanced data interleave architecture
- Full multiple block buffering

Fibre Channel

ATTO

ATTO Technology, Inc.
attotech.com

155 CrossPoint Parkway • Amherst, NY 14068 • 716.691.1999

ATTO ExpressPCI FC 3305

Hardware Specifications

Fibre Channel Interface:

- 2.125-Gigabit data-transfer rates
- 400 MB/sec. throughput in full-duplex mode
- Auto-negotiation between 2-Gigabit and 1-Gigabit speeds
- Fixed copper HSSDC Fibre Channel connector
- Supports all Fibre Channel topologies
 - Point-to-Point
 - Arbitrated Loop
 - Direct Fabric/Switch attach
- Strict adherence to ANSI FC-AL-2, FC-PLDA, FC-Tape, and FC-FLA specifications
- Supports Class 2, Class 3 and Intermix transfers
- Flash ROM for easy field upgrades

Advanced FC Features:

- Support for SNIA HBA API
- LUN masking
- Supports Target and Initiator Modes

Advanced SCSI-FCP Support:

- Large command FIFO
- Asynchronous I/O support
- ASPI and SCSI Manager 4.3 compatible
- SCSI-3 tagged command queuing
- Bootable from attached disks
- Support for multiple block sizes

Accelerated PCI Bus Management:

- PCI bus master rate of 528 MB/sec.
- PCI 2.2 compliant
- 64-bit/66 MHz PCI-X (backward compatible with 32-bit and 33 MHz PCI)

Software Specifications

Driver Support:

- Windows® 2000
- Windows XP
- Windows Server 2003
- Solaris (x86 and SPARC)
- Mac® OS X
- Mac OS 9

Advanced Data Streaming (ADS™):

- Improved PCI system bandwidth use
- Optimized FC and SCSI-3 algorithms
- Tagged command queuing
- RISC processor for high performance

RAID kits available

Environmental and Physical Characteristics

Dimensions:

- Full form factor: 4.200" x 6.521"

Operating Environment:

- Temperature: 0-50° C
- Humidity: 10-90% non-condensing
- Airflow: 100 LFM (min.)

Power:

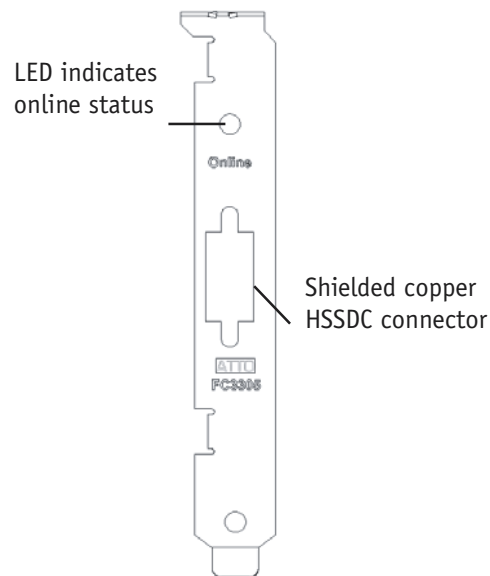
- 1 Amp @ 5 Volts

PCI Signal Compatibility:

- 3.3 Volts/5 Volts universal

Configuration:

- Easy to install connection plate with LED to monitor on-line status



Fibre Channel Host Adapter Selection Chart

Single & Multi-Channel 2-Gigabit Adapters			
PRODUCT FEATURES	FC 3321	FC 3300	FC 3305
Number of FC Channels	2	1	1
Maximum Transfer Rate (MB/sec.)	400*	400	400
32-bit PCI Compatible	•	•	•
64-bit PCI Compatible	•	•	•
Fabric & Loop Support	•	•	•
Cable Distances (max.)	500m	500m	10m
33 MHz PCI Compatible	•	•	•
66 MHz PCI Compatible	•		
66 MHz PCI-X		•	•
Optical/Copper Interface	SW LC SFF	Fixed SW LC	HSSDC
Class	2,3	2,3	2,3
Full-duplex	•	•	•
RAID Support	•	•	•
Windows® 2000/XP/Server 2003	•	•	•
Solaris, Linux	Linux	•	•
Mac® OS and Mac OS X Support	OS X	•	•

* per channel