

# ATTO ExpressPCI FC 3342

Fibre Channel



**Fastest  
HBAs  
Available**

**Quad-channel, 2-Gigabit Fibre Channel Connectivity, Featuring a PCI-X Interface, for High-performance Applications and Port Density**

*The ATTO ExpressPCI FC 3342, with four independent 2-Gigabit FC ports, delivering data-transfer rates up to 400 MB/sec. per channel, provides the ultimate performance for the most demanding data environments.*

*This quad channel host adapter is ideal for connecting servers directly to multiple storage sub-systems for advanced, aggregated performance while conserving valuable PCI expansion slots.*

*Taking the hardware architecture to new heights, ATTO offers a variety of configuration and management software options. This includes ATTO's exclusive ADS™ Technology that ensures maximum performance for both I/O and bandwidth-intensive environments, such as backup/archiving, fixed content, imaging, and digital video/audio solutions.*

## TECHNICAL HIGHLIGHTS

- Four independent channels
- 2.125-Gigabit Fibre Channel host adapter
- 400 MB/sec. per channel throughput in full-duplex mode
- 64-bit/133 MHz PCI-X interface
- Supports high-performance applications, including:
  - Backup/Archiving
  - Imaging/Fixed Content
  - Digital Video/Audio
- Exclusive ADS™ Technology enhances performance

**ATTO**

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# ATTO ExpressPCI FC 3342

## Hardware Specifications

### Fibre Channel Interface:

- 2.125-Gigabit data-transfer rates on each channel
- 400 MB/sec. per channel throughput in full-duplex mode
- Auto negotiation between 2-Gigabit and 1-Gigabit speeds
- Short-wave optical LC SFP pluggable connectors
- Supports all Fibre Channel topologies
  - Point-to-Point
  - Arbitrated Loop
  - Direct Fabric/Switch Attach
- Flash ROM for easy field upgrades
- Supports the following ANSI Fibre Channel standards:
  - FC-PH, FC-AL2, FC-FCP, FC-PLDA, FC-FLA, FCA-IP, IETF-IPFC, FC-Tape
- Simultaneous multi-protocol support

### Advanced FC Features:

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

### Advanced SCSI-FCP Support:

- Large command FIFO
- Asynchronous I/O support
- ASPI compatible
- Support for multiple block sizes

### Accelerated PCI Bus Management:

- 64/133 PCI-X system bus interface providing up to 1 GB/sec. aggregate bandwidth
- Supports PCI 2.2 and 99 specifications
- Supports PCI-X 1.0 specifications

## Software Specifications

### Driver Support:

- Windows® 2000
- Windows XP
- Windows Server 2003
- Linux

### Advanced Data Streaming (ADS™):

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

## Environmental & Physical Characteristics

### Dimensions:

- Full form factor: 4.2" X 6.875"

### Operating Environment:

- Temperature: 0-45° C
- Humidity: 10-90% non-condensing

### Power:

- 1.2 Amp @ 3.3 Volts (max)
- 4.0 Amp @ 5 Volts

### PCI Signal Compatibility:

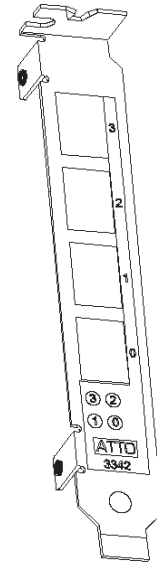
- 3.3 Volts only

### Airflow:

- 100 LFM (min.)

### Configuration:

- Easy to install connection plate with LEDs to monitor link, on-line and fault status for each channel



## Fibre Channel Host Adapter Selection Chart

PRODUCT FEATURES	Multi-Channel 2-Gigabit Adapters			2-Gigabit Adapters	
	FC 3342	FC 3322	FC 3321	FC 3300	FC 3305
Number of FC Channels	4	2	2	1	1
Maximum Transfer Rate (MB/sec.)	400*	400*	400*	400	400
32-bit PCI Compatible	•	•	•	•	•
64-bit PCI Compatible	•	•	•	•	•
Fabric & Loop Support	•	•	•	•	•
Cable Distances	500M	500m	500m	500m	10m
33 MHz PCI Compatible	•	•	•	•	•
66 MHz PCI Compatible	•	•	•	•	•
PCI-X Compatible	133MHz	133MHz		66MHz	66MHz
Optical/Copper Interface	SW LC SFP	SW LC SFP	SW LC SFF	Fixed SW LC	HSSDC
Class	2,3	2,3	2,3	2,3	2,3
Full-duplex	•	•	•	•	•
RAID Support	•	•	•	•	•
Windows® 2000/XP/Server 2003	•	•	•	•	•
Solaris, Linux		Linux	Linux	•	•
Mac® OS and Mac OS X Support			OS X	•	•
* per channel					

# Fibre Channel

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