ATTO ExpressPCI FC 3322

Fastest HBAs Available

Dual-channel, Low-profile 2-Gigabit Fibre Channel Host Adapter with PCI-X Interface

The ATTO ExpressPCI FC 3322 host adapter incorporates dual independent channels of 2-Gigabit Fibre Channel performance on a single, low-profile host adapter.

Its low-profile design facilitates flexibility and maximum performance in high-density environments. With aggregate full-duplex throughput up to 800 MB/ sec., the FC 3322 is designed to support data-intensive environments while, at the same time, using only one expansion slot, representing a cost-effective and efficient choice for a variety of environments.

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 applications, such as backup/ archiving, fixed content, imaging, and digital video/audio solutions.

TECHNICAL HIGHLIGHTS

• **Two 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**

Fibre Channel

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ATTO ExpressPCI FC 3322

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 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:
- Low Profile
  form factor: 2.5" x 6.521"

Operating Environment:
- Temperature: 0-45º C
- Humidity: 10-90% non-condensing

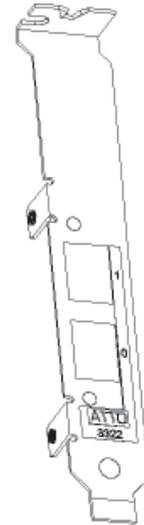**Power:**   1.75 Amp @ 5 Volts (max)

PCI Signal Compatibility:
              3.3 Volts/5 Volts universal

Airflow: 100 LFM (min.)

Fibre Channel Host Adapter Selection Chart

Configuration:
- Easy to install connection plate with LEDs to monitor link, on-line and fault status for each channel (full-height bracket shown.)

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					

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