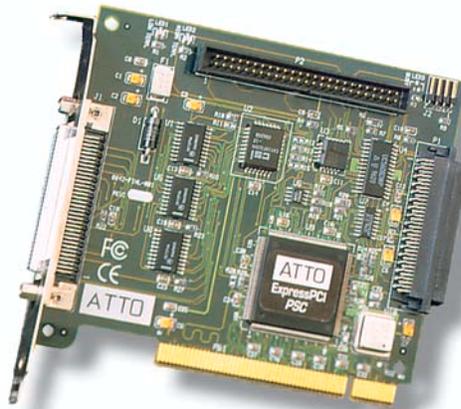**ATTO SCSI HBAs**

Single-channel Ultra/WIDE SCSI Host Adapter

The ATTO ExpressPCI Ultra/WIDE SCSI host adapter is available in a variety of SCSI-3 configurations that combine multiple platform support for Macintosh® and Windows® with ATTO's exclusive Advanced Data Streaming (ADS™) Technology. This facilitates ultimate I/O performance for digital video, prepress, database, server, Internet and real-time applications requiring efficient data delivery.

TECHNICAL HIGHLIGHTS

- **40 MB/sec. data-transfer rates**

- **Mix 8-bit (Narrow) & 16-bit (WIDE) SCSI devices**

- **Exclusive ADS™ Technology**

- **Supports up to 15 SCSI device IDs**

- **Robust driver set**

ATTO

ATTO Technology, Inc.
attotech.com

155 CrossPoint Parkway • Amherst, NY 14068 • 716.691.1999

ATTO ExpressPCI PSC

Hardware Specifications

SCSI Interface:
• 40 MB/sec. data-transfer rates
• One (1) external HD68 connector and two (2) internal connectors (one HD68 and one 50-pin)
• Compatible with SCSI-3, SCSI-2 and SCSI-1 devices
• Bus mastering capability
• Support for tagged command queuing
• Backward compatible with Fast/WIDE and Narrow SCSI devices

Advanced SCSI:
• Large command FIFO
• Asynchronous I/O support
• ASPI compliant (for PC users)
• Bootable from attached disks
• Support for disconnect/reconnect
• Support for multiple block sizes
• Legacy device support for Macintosh® users

General Characteristics:
• Automatic termination
• Upper-byte termination for Narrow devices
• Flash ROM BIOS for easy field upgrades
• PCI 2.1 and PCI 99 compliant
• 32-bit/33MHz PCI
• Plug and play compatible
• Includes ATTO ExpressPro-Tools™ and ATTO Configuration Tool formatting and utility software

Software Specifications

Driver Support:
• Windows Server 2003
• Windows XP
• Windows® 2000
• Mac® OS X
• Mac OS 9
• Linux

Advanced Data Streaming (ADS™):
• Improved PCI system bandwidth use
• Optimized SCSI-3 algorithms
• Tagged command queuing
• Embedded RISC I/O processor

RAID kits available

Environmental and Physical Characteristics

Dimensions:
• Length   4.920"
• Height   4.200"

Operating Environment:
• Temperature: 0-50º C
• Humidity: 10-90% non-condensing
• Airflow: 100 LFM (min)

Reliability:
• MTBF = 150,000 hours
• MTTR < 15 Minutes

Power:
• 0.5 max. Amps @ + 5.0 VDC
• 0.05 Amps @ + 12.0 VDC

PCI Signal Compatibility:
• 5 Volts only

SCSI Host Adapter Selection Chart

SCSI Host Bus Adapters	Ultra320 SCSI		Ultra3 SCSI		Ultra/ WIDE
FEATURES	UL4D	UL4S	UL3D	UL3S	PSC
Max. Transfer Rate (MB/sec.)	640	320	320	160	40
Low Voltage Differential	•	•	•	•	
Single-Ended SCSI	•	•	•	•	•
Number of SCSI Channels	2	1	2	1	1
Number of SCSI IDs Supported	30	30	30	30	15
Large File Transfers	•	•	•	•	•
Cable Distances	12.5	12.5	12.5	12.5	up to 3m
Uncompressed Video	•	•	•	•	
32-bit PCI Compatible	•	•	•	•	•
64-bit PCI Compatible	•	•	•	•	
33 / 66 MHz PCI	•	•	•	•	•
133 MHz PCI-X	•	•			
Windows® 2000/XP/Server 2003	•	•	•	•	•
Linux	•	•	•	•	•
Mac® OS & Mac OS X Support	OS X	OS X	•	•	•

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