Dual-channel Ultra3 SCSI Host Adapter
Featuring Advanced Data Streaming (ADS™) Technology

With data-transfer rates of up to 160 MB/sec. per channel, the ATTO ExpressPCI UL3D Ultra3 SCSI dual-channel host adapter offers the ultimate in performance and scalability. With support for up to 30 devices, the UL3D, when used with ATTO ExpressRAID, is ideal for connecting external drive arrays for mirroring and striping multiple SCSI hard disk drives, delivering maximum performance in the most demanding environments.

ATTO’s exclusive Advanced Data Streaming (ADS™) Technology ensures maximum I/O performance for data-intensive applications such as digital video, prepress, database, server and internet.

TECHNICAL HIGHLIGHTS

• Up to 160 MB/sec. per channel data-transfer rates
• 64/32-bit PCI interface
• 33 MHz compatible
• Cyclical redundancy checks
• Double transition clocking
• Exclusive ADS™ Technology
• Supports up to 30 SCSI device IDs
• Up to 12 meter cable lengths
• Dual independent SCSI channels
Hardware Specifications

SCSI Interface:
- Up to 160 MB/sec. per channel data-transfer rates
- Two (2) external VHDCI and two (2) internal high-density connectors per channel
- Compatible with SCSI-3, SCSI-2 and SCSI-1 devices
- Low Voltage Differential (LVD) Single-Ended signaling
- Bus mastering capability
- Support for tagged command queuing
- Backward compatible with Ultra2, Ultra/WIDE, Fast/WIDE and Narrow SCSI devices

Advanced SCSI:
- Supports dynamic bus rescanning (OS X)
- 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 for easy field upgrades
- PCI 2.2 and PCI 99 compliant
- 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 6.521"
- Height 4.450"

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

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

Power:
- 0.75 typical/2.0 max. Amps @ + 5.0 VDC
- 0.05 Amps @ + 12.0 VDC

PCI Signal Compatibility:
- 3.3 Volts/5 Volts universal

SCSI Host Adapter Selection Chart

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