

ATTO FibreBridge™ 2350C



High-Performance Fibre Channel-to-SCSI Bridging Architecture for tomorrow's faster drives

The ATTO FibreBridge™ 2350C is an embeddable Fibre Channel-to-SCSI bridge featuring one (1) Fibre Channel port with a 2-Gigabit SFP connector and two (2) independent Ultra3 SCSI busses and a standardized 4U cPCI form factor. The ATTO FibreBridge 2350C is the ideal bridging component to allow mid-range native SCSI storage devices to be incorporated into Fibre Channel networks. It offers a winning combination of performance, versatility and affordability for current and next-generation SCSI-based storage solutions.

The standardized physical design enables manufacturers to centralize on a common component design across multiple product lines while maintaining distinct interface technologies.

ATTO's built-in intelligent Bridging Architecture™ offers a unique combination of features that gives manufacturers the ability to embed customized value into their products.

TECHNICAL HIGHLIGHTS

- 1 x 2 with one (1) 2.125-Gigabit Fibre Channel port and two (2) independent Ultra3 SCSI busses
- 400 MB/sec. maximum throughput
- Support for SNIA Extended Copy
- ExpressNAV™ integrated management console for component monitoring and management
- RS-232, Ethernet and Fibre Channel in-band configuration, monitoring and management
- Full support for direct connect to F-port fabric switches
- Standardized 4U cPCI form factor

Fibre Channel

ATTO

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Fibre Channel and SCSI

Fibre Channel Interface:

- 2.125-Gigabit (400 MB/sec. in full-duplex mode)
- Backward compatible with 1.0625-Gigabit devices
- One (1) SFP (Small Form Factor Pluggable) port
- Full support for direct connect to F-port fabric switches
- Class 2, Class 3 and Intermix ANSI Fibre Channel Specifications
- Fibre Channel support for FC-AL, PLDA and public loop login
- Full-duplex data transmissions

SCSI Interface:

- Two (2) independent VHDCI 68-pin SCSI connectors
- LVD Ultra3 SCSI – 160 MB/sec. max per channel
- Backward compatible with all Single-ended SCSI devices
- 128 LUNs per channel

Performance:

- Over 7,000 I/Os per sec.
- Up to 209 MB/sec. sustained data-transfer rate
- Memory: 128 MB for advanced data buffering and performance
- Support for 8 concurrent XCOPY processes

Fibre Channel Compliance:

- Single bit error detection and correction (ECC)
- Multi-bit error detection
- ANSI FC-AL
- SNIA Extended Copy
- Class 2, Class 3 and Intermix
- FCP-1 and FCP-2 Fibre Channel Specifications

Management

Device Management Physical Interface:

- In-band (through Fibre Channel)
- Serial through RJ-11 serial port
- Network through 10/100 BaseT Ethernet Port (Telnet, FTP and SNMP)

Device Management User Interface:

- Command Line Interface (CLI)
- ASCII-based menu system
- Performance reporting and Error Logging (CLI commands)
- ATTO ExpressNAV™ integrated management console

LEDs:

- FC Activity
- FC Link
- SCSI Activity Port 1, 2
- Ready
- Fault

Environmental and Physical Characteristics

Dimensions:

- 6.193" W
- 6.299" L

Operating Environment:

- Temperature: 0 - 40° C
- Humidity: 10 - 90% non-condensing

Power:

- Input: 3.5A@5V
- Power provided: cPCI connector or Custom 6-pin connector

Configuration:

- Single (embedded) PCB

Airflow:

- Recommended 250 LFM
- Ambient Air not to exceed 40°C

Other

Operating Systems Supported:

- Operating system independent

Figure 1 - FibreBridge 2350C

