ATTO FibreBridge™ 2300R/D

Fibre Channel

Next-generation Fibre Channel-to-SCSI Bridge for Mid-range Environments

ATTO FibreBridge™ 2300R/D is a Fibre Channel-to-SCSI bridge featuring one (1) Fibre Channel port with a 2-Gigabit SFP connector and two (2) Ultra160 SCSI ports. For mid-range-capacity tape drive OEMs who require 2-Gigabit Fibre Channel performance, the 2300R/D provides a flexible external solution for a wide range of applications. Unlike the other bridges and routers, the 2300R/D, combined with the 2300E, provides a single-source combination for 2-Gigabit products that can be used as an internal or external solution.

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

- One 2-Gigabit Fibre Channel port by two (2) independent Ultra160 SCSI busses
- 400 MB/sec. maximum throughput
- Support for SNIA Extended Copy
- RS-232, Ethernet and Fibre Channel in-band configuration, monitoring and management
- Full support for direct connect to F-port fabric switches

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ATTO FibreBridge™ 2300R/D

Fibre Channel and SCSI

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

SCSI Interface:
- Two (2) independent 68-pin SCSI connectors
- LVD Ultra160 SCSI – 160 MB/sec. max per channel
- Backward compatible with all Single-ended SCSI devices
- 128 LUNs per channel

Performance:
- Up to 6,800 I/Os per sec.
- Up to 209 MB/sec. sustained data-transfer rate
- Memory: 128 MB of SDRAM for advanced data buffering and performance
- Supports Tagged Command Queuing
- Support for 2 concurrent XCOPY commands

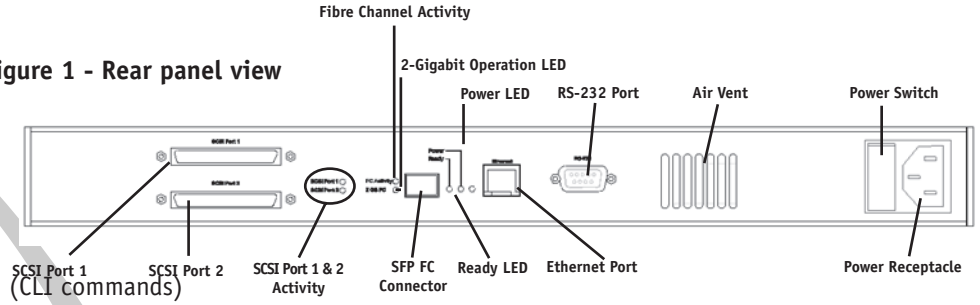
Fibre Channel Compliance:
- ANSI FC-AL
- SNIA Extended Copy
- Class 2, Class 3 and Intermix
- FCP-1 and FCP-2 Fibre Channel Specifications

Management

Device Management Physical Interface:
- In-band (through Fibre Channel)
- Serial through RS-232 Port
- Network through 10/100 BaseT Ethernet Port (Telnet, FTP and SNMP)

Device Management User Interface:
- Command Line Interface (CLI)
- ASCII-based menu system
- ATTO ExpressNAV™ web-based integrated management console
- Performance reporting and Error Logging

Figure 1 - Rear panel view



LEDs:
- Power
- FC Activity
- 2-Gigabit Operation
- SCSI Activity Port 1, 2
- Ready

Environmental and Physical Characteristics

Dimensions:
- 16.91" W
- 10.00" L
- 1.72" (1U) H

Operating Environment:
- Temperature: 5 - 40° C
- Humidity: 10 - 90% non-condensing
- User configurable integrated thermal sensor data for auto shutdown
- Default: 70° C (max)

Power:
- Input: 85–250 VAC
  50-60 Hz
  Max 2.0A @ 110 VAC
- Rated 90–132 VAC: 175–264 VAC, 47-63Hz, single phase

Configuration:
- Desktop (with attached feet)
- 19" Rack mount kit included

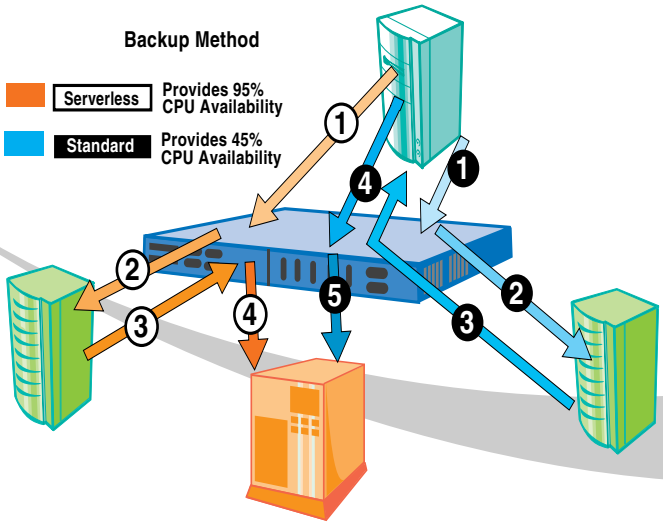
Airflow:
- Internal fans provide 11 CFM internal air flow
- Ambient Air not to exceed 40° C
- Front to back

Other

Operating Systems Supported:
- Operating system independent

Agency Certifications:
- FCC Class A
- CE (EN55022/EN55024)
- CSA / EN60950

Figure 2 - Serverless Backup



Fibre Channel

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