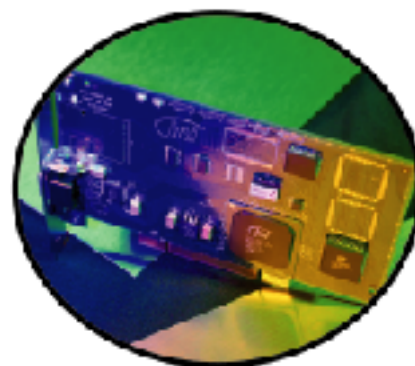# FCE-3210
32-bit PCI-to-Fibre Channel Host Bus Adapter

FCE-6410
64-bit PCI-to-Fibre Channel Host Bus Adapter

Benefits

- Designed for Mission Critical Applications
- Industry Leading Price-Performance
- Flexible Connectivity Options
- Easy to Install and Manage

About FibreStar

The JNI™ FibreStar FCE-3210 and FCE-6410 PCI-to-Fibre Channel host bus adapters are designed for enabling high-speed data transfers between PCI-based servers and a Fibre Channel (FC) link. Beyond speed, the FCE-3210 and FCE-6410 adapters incorporate the same level of stability, reliability and overall robustness that continue to make the JNI FibreStar adapters the products of choice for high-end mission critical Storage Area Network (SAN) applications.

Designed with an advanced feature set and an efficient flow-through architecture with rapid context switching, the FCE-3210 and FCE-6410 adapters deliver industry leading performance. Features like a full-speed, full duplex Fibre Channel interface, extremely low latency and highly efficient PCI bus utilization mean that your data not only arrives fast, but without over taxing the CPU effectiveness. In addition to great features, they provide superior connectivity through support for all FC topologies (Point-to-Point, Arbitrated Loop and Switched Fabric) over copper or fiber optic cabling.

JNI has also made the FCE-3210 and the FCE-6410 adapters easy to install and manage by including the EZ Fibre™ Configuration Utility (Windows NT®, Windows 2000 or Mac OS). EZ Fibre provides you with an easy-to-use graphical user interface for doing everything from installing an adapter to setting up LUN (Logical Unit Number) zoning (mapping). Included also is the PC Server DriverSuite", an integrated suite of software drivers that enable the HBA to operate within a wide variety of operating systems.

All of the above, combined with JNI's SCSI Advantage (the FibreStar PCI drivers are descendants of the industry-leading Adaptec SCSI drivers), and a continued commitment to high quality and service, provide you peace of mind when choosing the FCE-3210 and the FCE-6410 for your SAN or other application. Regardless of the size of your server or SAN, fast and reliable access to your data is a must, making JNI FibreStar products the right solution for your connectivity needs.

Features

- Full speed Fibre Channel interface
- FCE-3210 - 32-bit bus master PCI @ 33 MHz
- FCE-6410 - 64-bit bus master PCI @ 33 MHz
- Full-duplex data receive and transmit
- Sustained high I/O bandwidth
- Extremely low latency
- Highly efficient PCI bus utilization
- Zero-wait state 64-bit PCI bus master transfers
- Cache-line streaming
- Multi-layer software architecture
- Full parity protection on data paths
- External Status LEDs
- Supports JNI EZ Fibre Configuration Utility (Windows NT®, Windows 2000®, Mac OS®)
- Universal PCI connector

Technical Specifications

Fibre Channel Interface:
- Topologies: Point-to-Point, Arbitrated-Loop and Switched Fabric
- Data Transfer Rate: 1.0623 Gbit/sec
- Support for Class 2 and 3
- Full duplex data receive and transmit
- External and Internal loop back modes

Software Support:
- Windows NT® 4.0
- Windows 2000®
- Mac OS® 8.1
- Novell® Netware¤ 4.2, 5.0
- Linux® (Redhat® 6.0, 6.1)
- Solaris® 2.6, 7, 8
- API for third party OS support

Physical Dimensions:
PCI Short form factor: 6.42 in X 3.76 in (163.34 mm X 95.7 mm)

Power Requirements:
- +5 Vdc @ 1.5A copper
- +5 Vdc @ 1.85A optical
- +5 Vdc @ 2.26A copper
- +5 Vdc @ 2.51A optical

External Connectivity:
- Copper DB9/twinax cable (up to 30m)
- Optical short-wave dual SC connector
  - 50/125   multi-mode (up to 500m)
  - 62.5/125   multi-mode (up to 300m)

Environmental, Emissions and Safety:
- Operating Temperature: 0 to +50... C
- Storage Temperature: -40 to +70... C
- Relative Humidity: 8% to 85% non-condensing
- FCC Class A, VCCI, and CE

Compliance and Standards:
- ANSI Fibre Channel
- FC-PH, FC-AL
- FCP
- PCI 2.1 (PCI Local Bus Specification)

Ordering Information:
- 32-bit PCI-FC Host Bus Adapter
  - FCE-3210-C Copper DB9
  - FCE-3210-N Optical Short-wave
- 64-bit PCI-FC Host Bus Adapter
  - FCE-6410-C Copper DB9
  - FCE-6410-N Optical Short-wave