Cambex

High Reliability
Total Availability
Superior Performance
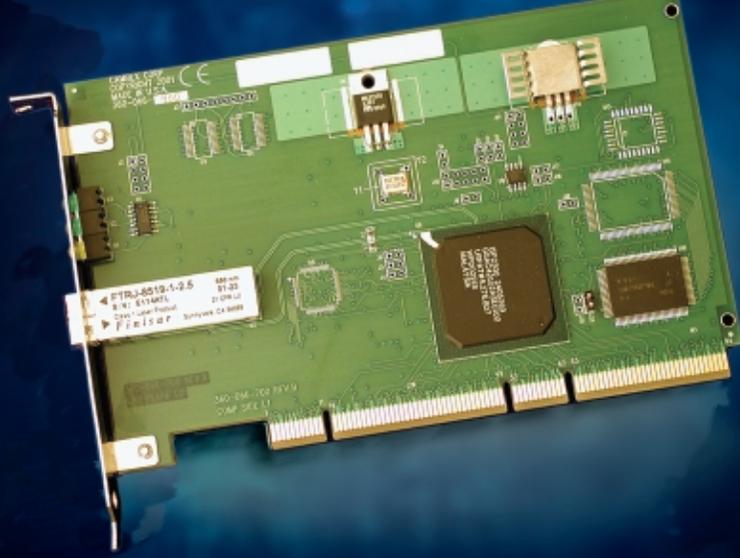
FibreQuik™ PC2000

❖ **Supports 800 MB/s Full Duplex Fibre Channel Data Transfer Rates With Exclusive Cambex DPF Software**

❖ **Highest Performance and Availability For Enterprise Servers, Internet Access and Multi-Media Applications**

❖ **Multiple Simultaneous Host and Target Connections With Robust Disk Array and Tape Library Support**

❖ **Supports Point-to-Point, Loop, Fabric Loop (FL) and Full Fabric (F) Topologies**

❖ **Provides SAN Configuration Flexibility With Optical or Copper Host Fibre Channel Connections**

❖ **Field-proven AIX, Linux and Windows Software Drivers For Heterogeneous SANs**

❖ **Optional Cambex Dynamic Path Failover™ Software for Superior Active-Active Performance and High Availability**

The FibreQuik PC2000 Adapter Card

The Cambex FibreQuik PC2000 PCI-to-Fibre Channel host bus adapter provides high-speed Fibre Channel connectivity for IBM AIX, Linux and Windows servers, enabling the implementation of integrated Fibre Channel Storage Area Networks. FibreQuik's hardware architecture and highly tuned software drivers provide industry leading performance making it an ideal solution for mission-critical servers, disaster recovery, online transaction processing, data warehousing, and video post production applications.

Full Fibre Channel Compatibility

The FibreQuik PC2000 is compatible with both 1 and 2 Gigabit Fibre Channel hubs, switches, tape libraries and both JBOD and RAID disk storage arrays. It comes standard with mature AIX, Linux and Windows software drivers, supports the SCSI Fibre Channel Protocol, and connects in any topology. The PC2000 conforms to PCI Local Bus specification and is fully compatible with both 32-bit and 64-bit PCI busses.

The Cambex Performance Edge

The FibreQuik PC2000 supports simultaneous data transfer rates of 200 MB/s in each direction, and operates two to five times faster than the SCSI interfaces used in most storage servers today. The PC2000 architecture features five independent DMA channels for commands and data to reduce latency as well as independent send and receive frame buffers for full duplex operation. To minimize CPU utilization and optimize application performance, an embedded RISC processor can execute multiple SCSI I/O commands generating no more than one interrupt per I/O operation.

High Availability Storage with Double Speed

Cambex has developed Dynamic Path Failover (DPF) software for use with its FibreQuik adapter family to provide higher performance and availability in mission-critical environments. DPF combined with two FibreQuik PC2000s in each host server provides full data availability in the event of an adapter, cable, RAID controller or other storage path failure. When configured for dual adapter connectivity to a common Fibre Channel disk array the Active-Active data rate can be effectively doubled to 800 MB/s.

PRODUCT SPECIFICATIONS

FIBRE CHANNEL STANDARDS

ANSI	FC-PH: FC Physical and Signaling Interface
ANSI	FC-AL: FC Arbitrated Loop
ANSI	FC-FLA: FC Fabric Loop Attachment
ANSI	FCP: FC Protocol for SCSI
ANSI	FC-MI: FC Methodologies for Interconnects
PCI SIG	PCI Local Bus Specification 2.1

FIBRE CHANNEL INTERFACE

PC2000HS Copper Interface PCI Card

Data Rate:	400 MB/s (full duplex)
Connector:	HSSDC Copper
Distance:	30 meters
Power:	6.3 W

PC2000LC Multi-mode Optical Card

Data Rate:	400 MB/s (full duplex)
Connector:	Small form factor LC multimode optical
Distance:	300 meters (50/125 µm fiber)
Power:	7.2 W

PC2000LD Long distance Single mode Optical Card

Data Rate:	400 MB/s (full duplex)
Connector:	Small form factor LC single mode optical
Distance:	10,000 meters (9/125 µm fiber)
Power:	8.2 W

PHYSICAL DESCRIPTION

Standard PCI Half-Card Form Factor (6.6"L x 4.2"W)

OPERATING ENVIRONMENT

Operating Temperature:	32° - 104° F (0° - 40° C)
Storage Temperature:	-4° - 158° F (-20° - 70° C)
Relative Humidity:	10 - 90% Non-condensing
Storage Humidity:	5 - 95% Non-condensing

POWER SPECIFICATIONS

Voltage:	5.0V/3.3V Universal

SOFTWARE DRIVERS

FCP / SCSI Drivers for IBM AIX, Linux and Windows

WARRANTY

Three Year Warranty, Lifetime Option

PRODUCT CERTIFICATIONS

FCC Class A, CE

TÜV CERT
ISO 9001

Cambex

Cambex engineers have developed High Availability hardware and software storage solutions for the Open Systems market for over ten years.

The FibreQuik PC2000 allows AIX, Windows and Linux servers to connect to heterogeneous Storage Area Networks for seamless data access and sharing.

The Cambex FibreQuik PC2000 and DPF software are the latest evolution of fibre channel products that serve our customers needs for today and tomorrow.

Dynamic Path Failover
   MC1000 Micro Channel
   PC2000 2 GB/s PCI

For over 3 decades, Cambex engineering has led the storage industry with the design of advanced hardware and software products.

Service and support are the hallmarks of the Cambex commitment to enterprise-class customer satisfaction and 24/7 availability.

Cambex Corporation
115 Flanders Road
Westborough, MA 01581

(508) 983-1200
Fax (508) 983-0255
sales@cambex.com
www.cambex.com