



**High Reliability  
Total Availability  
Superior Performance**



# FibreQuik™ MC1000

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- ❖ *Supports Full 100 MB/s Fibre Channel Data Transfer Rates*
- ❖ *High Performance 64-bit Streaming DMA Transfers on the Micro Channel Bus*
- ❖ *Supports 160 MB/s Burst Rate on the Micro Channel Bus*
- ❖ *Simultaneous Multiple Host and Target Connections*
- ❖ *Supports Point-to-Point and FC Arbitrated and Fabric Loop Connections*
- ❖ *Integrated and Modular Copper and Optical Interfaces*
- ❖ *AIX Software Drivers*
- ❖ *Optional Cambex Alternate Channel Failover™ Software for Superior Performance and Availability*

## The FibreQuik MC1000 Adapter Card

The FibreQuik™ MC1000 Micro Channel-to-Fibre Channel host bus adapter enables high-speed Fibre Channel connectivity for IBM RS/6000 and RS/6000 SP processors utilizing the Micro Channel architecture. For the first time, all RS/6000 platforms can be equipped with high-speed Fibre Channel interfaces to substantially expand the size, speed and scalability of their storage capabilities and to form integrated Fibre Channel Storage Area Networks.

## Full Compatibility

The FibreQuik MC1000 is compatible with leading Fibre Channel hubs, JBOD and RAID disk storage arrays. It comes standard with AIX software drivers, supports the SCSI Fibre Channel Protocol, and provides point-to-point and Fibre Channel arbitrated and fabric loop connectivity. Support for both copper and fiber optic cabling is provided through integrated interfaces or through an industry standard media interface adapter (MIA). Downloadable firmware ensures that future enhancements can be accomplished in the field.

## The FibreQuik Performance Edge

The FibreQuik MC1000, supporting Fibre Channel data transfer rates of 100 MB/s, operates two to five times faster than the Fast-Wide SCSI, UltraSCSI and SSA interfaces currently used in Micro Channel-based RS/6000 and RS/6000 SP processors. It supports 64-bit streaming DMA transfers as well as 160 MB/s data burst rates across the Micro Channel bus. FibreQuik's architecture employs an embedded RISC processor and separate integrated FIFOs for simultaneous data transmits and receives generating only one system interrupt for each SCSI I/O resulting in ultra high performance with minimal host CPU utilization.

## Higher Storage Availability

Cambex's Dynamic Path Failover (DPF) software along with two FibreQuik MC1000s in each host server provides full data availability in the event of an adapter, cable, or RAID controller failure (in dual controller configurations). In addition, with dual Fibre loops in a Fibre Channel disk array the Fibre Channel data rate can be effectively doubled to 200 MB/s.



# PRODUCT SPECIFICATIONS

## FIBRE CHANNEL STANDARDS

ANSI Fibre Channel FC-PH:	Fibre Channel Physical and Signaling Interface
ANSI Fibre Channel FC-AL:	Fibre Channel Arbitrated Loop
ANSI Fibre Channel FC-FLA:	Fibre Channel Fabric Loop Attachment
ANSI Fibre Channel FCP:	Fibre Channel Protocol for SCSI

## FIBRE CHANNEL INTERFACE

Copper	
Data Rate:	100 MB/s
Cable / Connector:	Dual Twinax or Quad Axial; DE9
Distance:	30 meters
Optical (using an MIA)	
Data Rate:	100 MB/s
Cable / Connector:	9/125 µm single mode fiber; Dual SC 50/125 µm multi-mode fiber; Dual SC
Distance:	10,000 meters (9/125 µm fiber) 500 meters (50/125 µm fiber)

## PHYSICAL DESCRIPTION

Micro Channel Type 5 Form Factor	
Dimensions:	11.5" L x 4.825" 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
Consumption:	12.5W

## SOFTWARE DRIVERS

SCSI Driver for IBM AIX Provided

Driver is MP-efficient in Multi-processor Systems

## WARRANTY

One Year Warranty

## PRODUCT CERTIFICATIONS

FCC Class A, UL, cUL, CE

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*Cambex has provided storage solutions for the IBM AIX marketplace for over 6 years.*

*The FibreQuik MC1000 allows all RS/6000 processors to connect to Fibre Channel Storage Area Networks for the first time.*

*With the Cambex FibreQuik MC1000, users are assured of a growth path that will fit their needs for both today and tomorrow*

*Cambex... Delivering highly-reliable, highly-available, superior performance storage for three decades.*

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