

High Reliability
Total Availability
Superior Performance



FibreQuik™ HB2000

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- ❖ ***Eight Port Fibre Channel Arbitrated Loop Hub for Building Storage Area Networks***
- ❖ ***Supports 1.0625 Gigabit/second Full Duplex Data Transfer Rates***
- ❖ ***User Configurable, Hot-Swappable Gigabit Interface Converter (GBIC) Based Ports***
- ❖ ***Digital Re-timing Architecture Eliminates Signal Jitter Enhancing Network Cabling Distances***
- ❖ ***Clock Recovery on All Ports Allows Multiple Hubs to be Cascaded Providing up to 126 Useable Ports***
- ❖ ***Automatic Bypass of Unused or Disruptive Ports Ensures Network Integrity***
- ❖ ***Supports All Fibre Channel Classes of Service***
- ❖ ***Plug and Play Installation for Easy Deployment***

The FibreQuik HB2000 Fibre Channel Hub

Fibre Channel is rapidly replacing SCSI as the preferred way to access the vast amounts of data storage required by data intensive applications such as the Internet, e-commerce, online transaction processing, multimedia, and data warehousing. Fibre Channel provides compelling benefits including improved performance, availability, scalability, and data sharing. The FibreQuik™ HB2000 digital hub facilitates the implementation of gigabit speed, Fibre Channel-based Storage Area Networks (SAN). With eight user configurable Gigabit Interface Converter (GBIC) ports, users are able to easily create star topology networks for connecting multiple servers and storage devices and can easily add and remove devices from the network without disrupting the integrity of the SAN.

The FibreQuik Performance Edge

The FibreQuik HB2000 hub provides full duplex 1.0625 gigabit per second Fibre Channel Arbitrated Loop (FC-AL) data transfers. The hub digitally recovers and amplifies valid Fibre Channel data signals virtually eliminating all signal jitter. Its digital re-timing architecture provides clock recovery on all ports allowing multiple hubs to be cascaded providing connectivity for up to 126 devices in a FC-AL and ensuring reliable operation at longer cabling distances.

To provide optimal performance in SAN environments, the FibreQuik HB2000 digitally monitors for invalid Fibre Channel data and automatically isolates and bypasses ports that may disrupt the rest of the Storage Area Network. Just as unused ports or ports with disruptive devices are automatically removed from the FC-AL, newly added devices are automatically inserted onto the loop providing a true plug-and-play SAN interconnect product.

FibreQuik Compatibility

The FibreQuik HB2000 is compatible with leading Fibre Channel host bus adapters, disk storage arrays and tape libraries. It supports Fibre Channel classes of service 1, 2 and 3 and is fully ANSI X3T11 FC-AL standards compatible. The HB2000's GBIC interfaces provide the user with the highest level of cabling flexibility and product interoperability as each port can be configured with any mix of copper or fiber optic interfaces. The GBIC interfaces are hot-swappable allowing easy reconfiguration and zero downtime maintenance in the field.

The FibreQuik HB2000 is available in table top or rack mountable configurations. Two HB2000s rack mounted side by side consume only a single 1U space in a 19" rack.

PRODUCT SPECIFICATIONS

STANDARDS

ANSI Fibre Channel FC-AL:	Fibre Channel Arbitrated Loop
ANSI Fibre Channel FC-PH:	Fibre Channel Physical and Signaling Interface

ARCHITECTURE

Fibre Channel Arbitrated Loop Hub	
Ports:	8 Gigabit Interface Converter (GBIC) Ports

FIBRE CHANNEL INTERFACE

Active Copper GBIC	
Data Rate:	1.0625 Gigabit / second
Cable / Connector:	Dual Twinax or Quad Axial / DE9 or HSSDC
Maximum Distance:	30 Meters

Multi-mode Optical GBIC	
Data Rate:	1.0625 Gigabit / second
Cable / Connector:	50/125 µm multi-mode fiber / Dual SC
Distance:	500 Meters

Single Mode Optical GBIC	
Data Rate:	1.0625 Gigabit / second
Cable / Connector:	9/125 µm single mode fiber / Dual SC
Distance:	10,000 Meters

PHYSICAL

Dimensions:	8.6" W x 1.75" H x 12.6" D
Weight:	4.9 lbs

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:	90 – 265 VAC
Consumption:	40 Watts
Frequency:	47 – 63 Hz

WARRANTY

One Year Warranty

PRODUCT CERTIFICATIONS

FCC Class B, CE, UL, cUL

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Cambex

.... SAN Solutions for the Internet Age

Cambex is a leading designer and supplier of Fibre Channel hardware and software solutions for building Storage Area Networks.

The FibreQuik HB2000 greatly simplifies the deployment of gigabit speed Fibre Channel Storage Area Networks.

The FibreQuik HB2000 hub protects the data integrity of the SAN when devices are added or removed from the Fibre Channel arbitrated loop.

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