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Find the *Abaco Systems / SBS FC2312-PMC-CC* at our website: ***Click HERE***

Fibre Channel HBAs

2-Gigabit PMC Host Bus Adapters
FC2312 Series

I/O & COMMUNICATIONS

Features

- 64-bit / 66 MHz PMC
- 200 MB/s half-duplex data transfer rate; up to 400 MB/s full-duplex
- Multiple initiator capable
- Fiber-optic and copper interface support
- SCSI initiator and IP protocol support on selected operating systems
- Unique high-bandwidth, low-latency firmware & software running on industry-standard QLogic® Fibre Channel 2312 controller chips
- Automatically negotiates 1- or 2-gigabit Fibre Channel bit rate allowing a FC2312 card to be connected to a FC22 card
- Single chip engine includes enhanced RISC processor, Fibre Channel protocol manager, 2-gigabit transceivers, and on-chip frame buffers



SBS' FC2312 2-Gigabit Fibre Channel PMC Host Bus Adapters (HBAs) and supporting software tools provide the high sustained throughput and low latency required for demanding real-time and storage applications. Engineered to take full advantage of industry standard Fibre Channel features and benefits, SBS HBAs incorporate a streamlined protocol engine; support for two concurrently operating 2 Gb/s capable Fibre Channel nodes; PCI dual-address cycle and cache commands support; and multi-ID aliasing in target mode.

Optimized device drivers for various operating systems are provided for standard file system and network support. Please contact SBS for additional information and driver availability.

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FC2312 Fibre Channel PMC HBAs



Specifications

Fibre Channel PMC HBA
- FC-AL-2
- FC-FS
- SCSI-FCP
- SCSI-FCP-2

PMC Host Bus
- PCI Local Bus revision 2.2
- PMC IEEE P1386.1
- CMC IEEE P1386

Fibre Channel Chip
- ISP2312 Dual Channel

RISC RAM
- 256Kbytes

Frame Buffers
- 6K receive FIFO
- 4K transmit FIFO

Protocol Support
- SCSI, FC-Tape, IP, and VI concurrently

Weight
- 0.10kg (3.5 ounces)

Power Requirements +5VDC
- Copper: 1.0A max
- Optical: 1.1A max, .90A typical

Temperature
- Operating: 0˚ to 55˚ C
- Storage: -20˚ to 70˚ C

Relative Humidity
- 5% to 95% non-condensing

Software Support

- Windows NT 4.0
- Windows 2000/XP
- Linux 2.4
- LynxOS 4.0
- VxWorks 5.4

SBS Ready Driver Interoperability

Operating Ranges over Fiber Optic Cable

Frequency	Distance 62.5 Micron	Distance 50 Micron	Distance HSSDC Copper Cable
1 GHz	170 meters	500 meters	20 meters
2 GHz	100 meters	300 meters	15 meters

Standard Cable Configurations

Length	Type	Cable for 1 Gb/s Operation	Cable for 2 Gb/s Operation
3-meter	HSSDC	FCC-HH-03	FCC-H2-03
	HSSDC to 9-pin D	FCC-HD-03	
5-meter	HSSDC	FCC-HH-05	FCC-H2-05
	HSSDC to 9-pin D	FCC-HD-05	
	Multimode LC to LC	FCF-LC-05	FCF-LC-05
	Multimode SC to LC	FCF-SC-LC-05	FCF-SC-LC-05
10-meter	HSSDC	FCC-HH-10	FCC-H2-10
	HSSDC to 9-pin D	FCC-HD-10	
	Multimode LC to LC	FCF-LC-10	FCF-LC-10
	Multimode SC to LC	FCF-SC-LC-10	FCF-SC-LC-10
20-meter	HSSDC	FCC-HH-20	Not supported
	HSSDC to 9-pin D	FCC-HD-20	Not supported

Fiber-optic cable available in custom lengths up to 500 meters

Fibre Channel HBA Configurations

Model Number	Configuration
FC2312-PMC-CC	PMC with two HSSDC ports
FC2312-PMC-FF	PMC with two fiber ports

Custom configurations also available, call SBS at (651) 905-4700 for details.

FCIA

SBS Fibre Channel interfaces, software, and associated products are provided in cooperation with Delphi Fibre Gear LLC, Costa Mesa, CA. QLogic is a registered trademark of QLogic Corporation.

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