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Find the *SANBlaze SB PMC-FC-A* at our website: ***Click HERE***

SB PMC-FC

PMC Fibre Channel Adapters

DATASHEET

Product Highlights

- SFP supports multi-mode fiber or copper options
- Auto-negotiation for legacy connect (1 or 2 Gbit)
- 64 Bit, 33/66 MHz PCI bus
- Supports switch and loop (private and public) topologies

Key Applications

- SANS
- Host Attached/Mass Storage Subsystems
- VME or CompactPCI systems requiring Fibre Channel connectivity

Features

- Two independent, 2 Gbit Fibre Channels
- 64 Bit, 33/66 MHz PMC
- Front and Rear Panel I/O Options
- Software supports switch and loop (private and public) topologies
- Supports all major OSs
- Fusion-MPT architecture
- 5 year limited warranty



PCI MEZZANINE FIBRE CHANNEL ADAPTERS

The SANBlaze SB PMC-FC dual channel, 2 Gbit Fibre Channel PMC adapter provides maximum performance and low latency Fibre Channel device connectivity to embedded systems based on VME or CompactPCI. The SB PMC-FC has two independent 2 Gbit Fibre Channel ports.

The dual channel, 2Gbit PMC host adapter provides redundant configurations and high availability solutions for Storage Area networks (SANs). The SB PMC-FC can auto negotiate down to 1 Gbit operation to assure backward compatibility with existing 1 Gbit SAN infrastructures and meets the requirements of today's 2 Gbit SANs. The adapter family of products consists of front I/O capability with copper and optical fibre channel options and rear I/O capability.

ARCHITECTURE

The SANBlaze Fibre Channel PMC product family is based on industry standard ARM technology and incorporates LSI Logic's Fusion-MPT architecture. Fusion-MPT provides a single binary device driver for Fibre Channel, SCSI and emerging interface technologies such as Serial ATA and others. Thinner drivers allow for better and more versatile performance while adding value at the firmware level.

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Technical Specifications:

PCI Bus	64-Bit, 133MHz PCI-X, backward compatible with PCI
PCI Modes	Bus Master DMA
PCI Data Burst Transfer Rate	132 MB/s (PCI 32-Bit bus @ 33 MHz) 264 MB/s (PCI 64-Bit bus @ 33 MHz) 528 MB/s (PCI 64-Bit bus @ 66 MHz)
Form Factor	2.913" x 5.866", PCI Mezzanine Card (PMC)
PCI Card Types	Universal Card (3.3 V and 5V signaling)
PCI Voltage	+3.3V ± 5%
PCI Power	< +5.0 W excluding transceivers
Bracket	Standard PMC Bracket
Certification Level	PCI 2.2, PCI-X 1.0a
Data Transfers	400 MBps per channel, full duplex
Protocols	SCSI, IP
Topology	Point to Point, arbitrated loop, switched fabric (FL-port, F-port)
Connectors	
Front I/O	SFP, Support LC, multi-mode optic and copper options
Rear I/O	Via J/P4
Termination	Universal (LVD/SE) termination Jumper disable per channel SW Control
LED Indicators	On Board
BIOS Flash Memory	512K x 8 flash EEPROM

Environments	**Operating**	**Storage**
Temperature	0°C to 55°C	-40°C to +105°C
Relative Humidity	5 to 90% non-condensing	5 to 90% non-condensing

OS Support	**Versions**
Windows	NT4.0,Windows 2000, Windows 2003, XP
Linux	2.2, 2.4 and 2.6 kernels
Solaris	X.86 Versions 2.6,2.7, 2.8 and 2.9
Sun Solaris	V 2.6 and greater
UnixWare	2.12 and 7.X
SCO Unix	5.X
Netware	4.11, 4.2 and 5.X

Ordering Information:

Part Number	Description	Front I/O	Rear I/O
SB PMC-FC-A	**2 Port, 2 Gig FC PMC**	**2**	**0**
SB PMC-FC-B	**1 Port, 2 Gig FC PMC**	**1**	**0**
SB PMC-FC-C	**2 Port, 2 Gig FC PMC**	**1**	**1**

For more information please visit the SANBlaze web site at: www.sanblaze.com or send email to: info@sanblaze.com.

SANBlaze is a leading provider of storage solutions for embedded systems, delivering high performance enterprise storage technologies and functionality to the embedded computing market. Our AMC, PMC, ATCA and cPCI board level storage solutions provide maximum design flexibility, ease of integration and cost effectiveness.

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