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Find the *SANBlaze SB-PMC320-C* at our website: ***Click HERE***

SB-PMC320
PMC Ultra320 SCSI Adapter





PRELIMINARY DATASHEET

Key Applications

- Embedded Computer Solutions needing SCSI Attached Storage
- Internal/External storage
- Low Cost Raid functionality for VME or CompactPCI based systems

FEATURES

- Single or Dual Ultra320 SCSI Channels
- 133 MHz, 64 Bit PCI-X Interface
- Support for 32/64-Bit and 33/66 MHz PCI Bus
- Connects up to 30 devices
- Mirroring and Striping
- Front and Rear Panel I/O Options
- Supports all major OSs
- Fusion-MPT architecture
- 5 year limited warranty

PCI MEZZANINE SCSI ADAPTERS

The SANBlaze SB-PMC320 Dual Channel, Ultra320 SCSI PMC adapter provides industry leading SCSI device connectivity for embedded systems based on VME or CompactPCI. The SB-PMC320 has two independent Ultra320 SCSI channels, each allowing up to 320 MB/sec transfer rates. Each channel supports up to 15 SCSI devices.

The SB-PMC320 also provides Raid 0 (striping) and Raid 1 (mirroring) functionality on either channel.

The SB-PMC320 series of Ultra320 SCSI PMC adapters are available in 3 configurations. The dual channel version is available with either 2 front panel ports via 68 pin VHDCI connectors or 1 front panel and 1 rear I/O port (via J/P 4). A single channel version of the card is available with a single front panel port via a 68 pin VHDCI connector. These options allow for maximum design flexibility, while delivering the high performance and Raid functionality of Ultra320 in a PMC form factor.

ARCHITECTURE

The SANBlaze PMC320 product family is based on the LSI Logic 53C1030 SCSI Controller and incorporates LSI Logic's Fusion-MPT architecture. Fusion-MPT provides the flexibility and rich feature set to make RAID features such as Integrated Mirroring and Integrated Striping available at no additional cost.

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www.sanblaze.com

SB-PMC320
Single/Dual Port, Ultra320 SCSI PMC Adapter

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	< +10.0 W excluding termination power
Bracket	Standard PMC Bracket
Certification Level	PCI 2.2, PCI-X 1.0a
SCSI Bus	Wide Ultra320, LVD(Low Voltage Differential) and Ultra Wide SE (Single Ended) 640 MBps for two SCSI channels
Connectors	
Front I/O	68-Pin VHDCI per channel
Rear I/O	Via J/P4 (Carrier, RTM and PIM available)
Termination	Universal (LVD/SE) termination Jumper and SW Control per channel
LED Indicators	On Board
BIOS Flash Memory	512K x 8 flash EEPROM
Raid Memory	32K x 8 NVSRAM

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 and 2.4 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

For more information, please visit the SANBlaze Website at:
www.sanblaze.com

or email:
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Ordering Information:

Part Number	Description	Front I/O	Rear I/O
SB PMC320 - A	**2 Port Ultra320 SCSI PMC**	**2**	**0**
SB PMC320 - B	**1 Port Ultra320 SCSI PMC**	**1**	**0**
SB PMC320 - C	**2 Port Ultra320 SCSI PMC**	**1**	**1**

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