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Find the *Abaco Systems / SBS / Greenspring CPCI-200B-BP* at our website: *Click HERE*

CPCI-200A

Four slot IndustryPack Carrier for 6U CompactPCI

I/O & COMMUNICATIONS

Features

- Four IndustryPack slots on a 6U CompactPCI board
- I/O via four 50-pin SCSI2-style shielded connectors (-FP version)
- I/O via CompactPCI backplane J4 and J5 connectors (-BP version)
- 8 MHz IndustryPack clock for each slot
- Four LEDs for IndustryPack access and four for power monitors on PCB
- Filtered power rails and resettable fuses
- Interrupt acknowledge space for retrieving IndustryPack vectors
- Reduced memory-map versions available by special order



SBS' CPCI-200A IndustryPack carrier board provides four IndustryPack slots on a 6U CompactPCI card. Two versions are available: the CPCI-200A-FP provides shielded 50-pin SCSI2-style front panel connectors for IndustryPack I/O; the CPCI-200A-BP provides IndustryPack I/O via the CompactPCI J4 and J5 connectors. Rear panel transition modules, BIO-3 and BIO-4, are available from SBS.

The CPCI-200A provides an 8 MHz IndustryPack clock for each slot. The standard 8 MB memory space is available for each IndustryPack site. High-speed 32-bit PCI host address space permits desireable linear mapping and fixed address partitions of memory, I/O and ID spaces for each IndustryPack module.

The CPCI-200A uses a PLX PCI9080 controller as the PCI bus interface chip and Altera FPGA logic that provides fully configurable PCI interrupt vector space. The PCI bus interface supports 5.0V signaling levels.

The CPCI-200A meets the PCI specification and conforms to the VITA-4 IndustryPack Logic Interface Specification. This guarantees compatibility with a wide range of IndustryPacks.

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CPCI-200A

Specifications

Form Factor
- 6U CompactPCI

PCI
- PCI Specification, Rev. 2.1

PCI Controller
- PLX PCI9080

IndustryPack Slots
- Four slots
- Supports four single-wide or two double-wide IndustryPack

IndustryPack Clock
- 8 MHz per IndustryPack slot

IndustryPack Features Supported
- I/O space, ID space, memory space, interrupt acknowledge cycles

IndustryPack Memory Size
- 8 MB per IndustryPack

Carrier Board Memory Space
- 64 MB

IndustryPack Interrupts Supported
- Int0* and Int1* for each slot

PCI Bus Interrupts Generated
- INTA# only

I/O Access
- -FP: One 50-pin SCSI2-style shielded connector per IndustryPack slot on front panel
- -BP: Via CompactPCI J4 and J5

Indicators
- One green LED per slot for CPU access on PCB
- One amber LED per slot for power monitor on PCB

Fuses
- Resettable 2.5A @ 20˚ C for 5 VDC
- Resettable 2.0A @ 20˚ C for +/-12 VDC

Dimensions
- 160 mm x 233 mm

Weight
- 0.3 kg (0.71 lb)

Power Requirements
- +5V VDC, 250 mA typ
- +12V DC, 10 mA typ
- -12V DC, 10 mA typ
- Extra power required for IndustryPack modules

Temperature
- Operating: 0˚ to 70˚ C
- Storage: -40˚ to 85˚ C

Relative Humidity
- 5% to 95% non-condensing

Model Number	Configuration
CPCI-200A-FP	4 slot 6U CompactPCI IndustryPack carrier with front I/O
CPCI-200A-BP	4 slot 6U CompactPCI IndustryPack carrier with rear I/O

Associated Product	Description
BIO-3	Rear transition module with ribbon headers
BIO-4	Rear transition module for IEEE 1011.1 back panel
C-HD50M-HD50M	Six foot cable HD50 male to HD50 male
IP-TERM-HD50	50-pin screw terminal block with HD50 female

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