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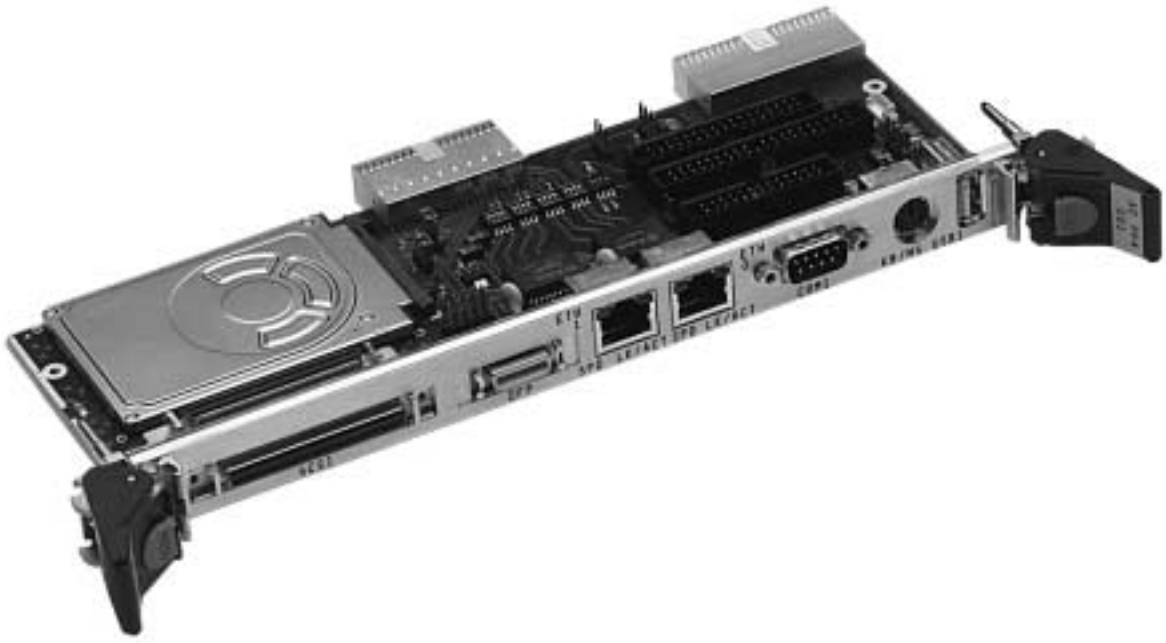
CompactPCI® BUS

TRANSITION MODULE

# AD PP4/001

## OVERVIEW

The AD PP4/001 is designed to be used with Concurrent Technologies' PP 100/01x CompactPCI Slot Controller. The Transition Module mounts in the rear transition area of the CompactPCI backplane and provides very simple access to the majority of the I/O functions provided on the PP 100/01x processor board. Many I/O functions are provided on the Transition Module's own front panel as well as from headers mounted on the Module.



## HIGHLIGHTS

- Transition Module for rear I/O:
  - 80mm depth as per CPCI specification
  - single slot
- Interfaces to CPCI via J3 and J5
- Dual 10/100/1000Mbps Ethernet via RJ45 connectors on Transition Module's front panel
- Floppy Disk interface via a 34-way header
- EIDE interface via 40-way header and either CompactFlash connector or 1.8 inch hard disk drive:
  - supports up to Ultra-DMA 100
- PC speaker via 5-way header
- Auxiliary IPMB interface via 5-way header
- Parallel printer port interface (ECP, EPP and IEEE1284) via a 26-way header
- 2 x USB interfaces via USB connector on Transition Module's front panel and 4-way header
- COM1 port via 9-way D-type connector on Transition Module's front panel
- COM2 Port via 10-way header or 9-way D-type connector
- System fan monitor via 3-way header
- PS/2 keyboard and mouse interfaces via circular mini DIN connector on Transition Module's front panel
- Ultra-2 Wide SCSI via 68-way header and connector on Transition Module's front panel

CONCURRENT TECHNOLOGIES


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# SPECIFICATION

## ETHERNET INTERFACE
- two channels
- supports 10BaseT,100BaseTx and 1000BaseT for UTP CAT5 via RJ45 connectors on front panel
- signaling can be routed to transition module's front panel or PICMG® 2.16 Packet Switching Backplane using the onboard switches

## EIDE INTERFACE
- supports up to Ultra-DMA 100 speeds via 40-way header
- connectors for either:-
  - ➔ 1 x CompactFlash module, or
  - ➔ 1 x 1.8 inch Hard Disk Drive with at least 5 Gbytes capacity

## SERIAL INTERFACE
- 9-way D-type connector for COM1
- 10-way header for COM2
- optional 9-way D-type connector for COM2 (replaces DFP connector)

## USB INTERFACE
- accessed via USB connector and 4-way header:-
  - ➔ when used with the PP 100/01x one USB channel is in parallel with the channel on the front panel of the PP 100/01x

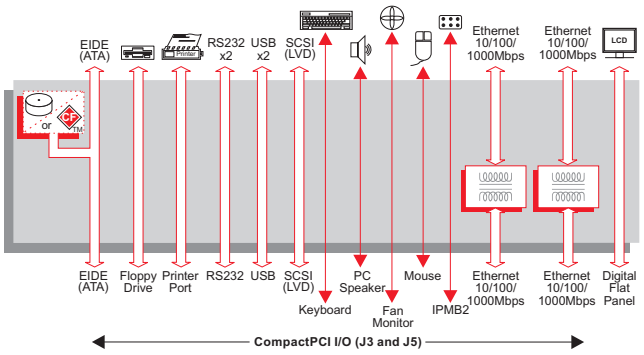
## PARALLEL PRINTER PORT
- via 26-way header on-board
- supports all common modes of operation (for example, EPP, ECP)

## FLOPPY DISK INTERFACE
- via 34-way header on board

## SCSI
- 68-way header and high density D-Type on front panel
- supports modes up to Ultra-2 Wide SCSI

## DIGITAL FLAT PANEL INTERFACE
- supports an optional DFP interface for driving TFT flat panels via 20-way MDR connector on the front panel
- not available when COM2 9-way D-type connector fitted

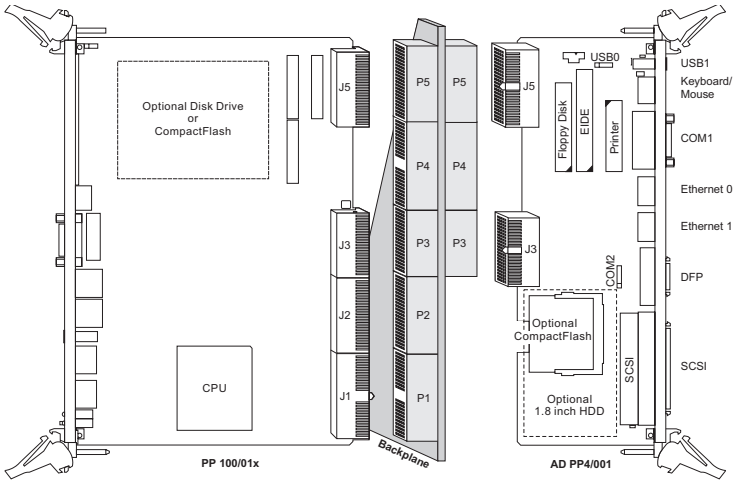
## OTHER INTERFACES
- PC speaker via 5-way header
- auxiliary IPMB interface via 5-way header
- keyboard and mouse via circular mini DIN connector
- system fan monitor via 3-way header

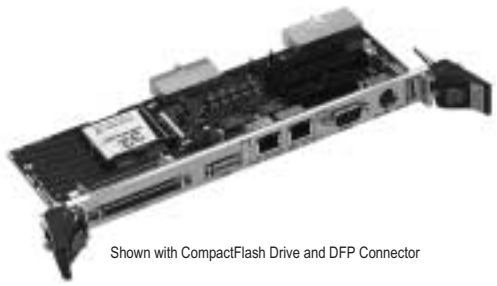



## ELECTRICAL SPECIFICATION
- all voltages to be within ±5%
- +5V@0.2A - quiescent current; +3.3V@0.05A; +12V@0.0A; -12V@0.0A

## ENVIRONMENTAL SPECIFICATION
- 0°C to +55°C (operating)
- -40°C to +70°C (storage)
- 10% to 90% Relative Humidity, non-condensing (operating)
- 10% to 90% Relative Humidity, non-condensing (storage)

## MECHANICAL SPECIFICATION
- 6U form-factor: 9.2" x 3.2" (233.35mm x 80 mm)
- single-slot: 0.8" (20.3mm)
- connectors: IEC-1076-4-101 for J3 and J5
- shock: 5g/6ms
- vibration: 1g (10Hz to 2kHz)



Shown with CompactFlash Drive and DFP Connector

## ORDERING INFORMATION

| Order Number | Product Description (Hardware) |
|---|---|
| AD PP4/001-00 | Transition Module for PP 100/01x with DFP connector plus CompactFlash connector |
| AD PP4/001-01 | Transition Module for PP 100/01x with DFP connector plus 1.8 inch Hard Disk Drive |
| AD PP4/001-10 | Transition Module for PP 100/01x with COM2 9-way D-type connector plus CompactFlash connector |
| AD PP4/001-11 | Transition Module for PP 100/01x with COM2 9-way D-type connector plus 1.8 inch Hard Disk Drive |

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