

## General Features

The ACP-1 is member of AIM's new family of 64bit extended PMC Carrier Boards. The ACP-1 is a 'Short Length PCI' module format with one PMC slot to plug in a standard PMC module. The ACP-1 implements a PCI-to-PCI Bridge using the industry standard INTEL device. It fulfils the requirements of the PCI Bus Specification Revision 2.3, for both the Primary and Secondary side. The PMC-slot is in conformance with the Draft Standard Physical and Environmental Layers for PCI Mezzanine Cards (P1386.1/Draft 2.4).

### PMC Module Interface

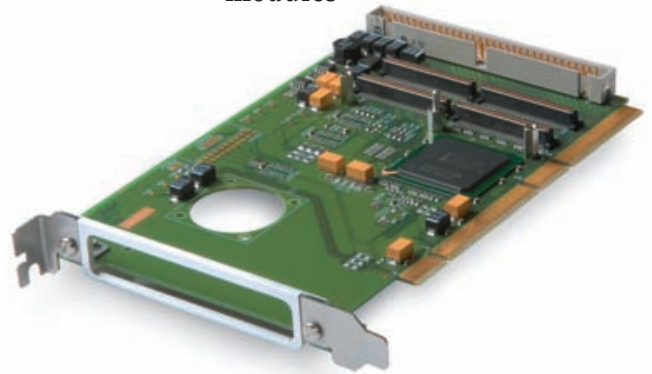
The ACP-1 is designed to plug all standard PMC modules with a maximum PCIbus width of 64bit and a PCIbus operation frequency up to 66 MHz.

The ACP-1 carrier board Interface is of an Universal I/O signalling voltage type and can be plugged in either a +3.3V or +5.0V PCI- Slot.

On the secondary PCIbus side, the PMC slot is configured to support +3.3V, I/O signalling voltage for use with +3.3V PMC modules. For +5.0V PMC modules the Carrier is identified by a different part number. The use of a voltage keying pin protects against false PMC assembly.

# ACP-1

**PCI Generic Carrier Card for  
PMC (PCIbus Mezzanine Card)  
modules**



**Plug all standard PMC  
modules with a maximum  
PCIbus width of 64bit!**

## Key Features

- Easily configured with any AIM PMC Databus Module: AFDX/ARINC664, ARINC429, MIL-STD-1553 or any standard Third Party PMC module.
- Up to 66MHz operation for +3.3V environments
- +5.0V signalling environment available
- 64 bit PCI bus extension
- Fully compliant to PCI Specification, Rev. 2.3
- Hosts PMC interface designed to PMC standard P1386.1/Draft 2.4
- Onboard Ribbon cable connector provided for access to the PMC- Rear I/O signals (P14)
- On-board -12VDC Power Supply (up to 10 Watts) to supply ARINC429 Transmitters

### PMC Slot

