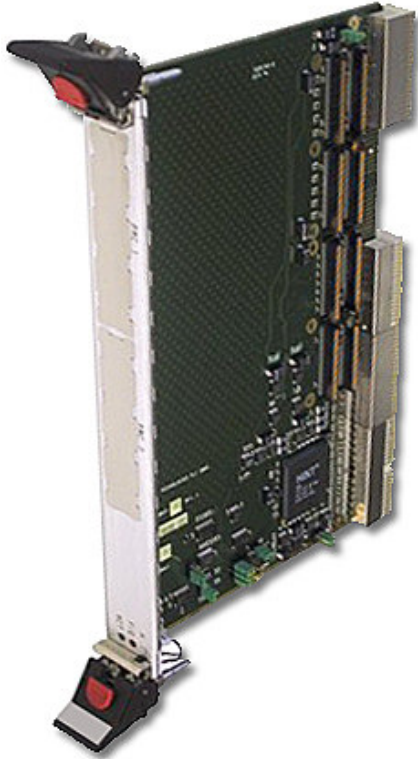


## 6U CompactPCI Carrier / Adapter for two PMCs



*This 6U CompactPCI Adapter or PMC Carrier Card will accommodate up to two PMC cards, whose I/O can be brought out the rear of the system via a Transition Module.*

### PMC (PCI MEZZANINE CARD) INTERFACES

- Support for 2 single width modules or one dual width module:
  - 5 Volt or 3.3 Volt signaling
  - 32/64-bit and 33/66 MHz PCI interface
  - supports dual function modules
  - supports non-Monarch Processor PMC modules
- Complies with CMC (Common Mezzanine Card) standard IEEE 1386-2001 and PMC (PCI Mezzanine Card) standard IEEE 1386.1-2001
- I/O can be accessed via front panel
- I/O can also be accessed via rear through backplane connectors:
  - 64 I/O signals per PMC site
  - PMC rear I/O connects via J3 and J4 or J3 and J5
  - PMC rear I/O routed as differential pairs to support SCSI rear I/O
  - Can connect to a Transition Module
- Logical layer based on PCI protocol specification
- Electrical layer based on PCI electrical specification

## HOT SWAP FUNCTION

- Permits live insertion and extraction of PP PMC202 carrier
- Supports Basic and Full Hot Swap
- Compatible with PICMG<sup>®</sup> 2.1, Rev 2.0 Hot Swap specification
- Hot Swap capable register:
  - Insertion
  - Extraction
  - ENUM mask/enable
  - Front panel blue LED
- CPCI backplane interface signals:-
  - ENUM (board insertion/extraction indication)
  - Healthy (power)

## COMPACTPCI BUS INTERFACE

- Conforms to PICMG 2.0 R3.0:-
  - Supports 3.3V and 5V signaling
  - 32/64-bits at 33/66MHz
- PLX Technology PCI 6254 PCI to PCI bridge

## OTHER FEATURES

- Front panel activity LED:
  - Flashes with on-board PCI bus activity
- Front panel fault LED:
  - Reports power fault or PCI bus error conditions

## ELECTRICAL SPECIFICATION

- +5V@0.2A; +5% / -3%
- +3.3V@0.6A; +5% / -3%
- +12V@0.03A;
- -12V@0.01A (0A if no PMC module requires -12V)

## ENVIRONMENTAL SPECIFICATION

- Operating temperatures:
  - 0°C to +55°C (N-Series)
  - -25°C to +70°C (E-Series)
- 10% to 95% Relative Humidity (operating)
- -40°C to +70°C (storage)
- 10% to 95% Relative Humidity (storage)

## SAFETY

- PCB (PWB) manufactured with flammability rating of 94V-0

## MECHANICAL SPECIFICATION

- 6U form-factor: 9.2" x 6.3" (233.4mm x 160mm)
- Utilizes a single CPCI slot: 0.8" (20.3mm)
- Connectors: IEC-1076-4-101 for J1, J2, J3, J4, J5 (not all fitted)
- Shock:
  - 20g, 11ms, ½ sine (operating);
  - 30g, 11ms, ½ sine (non-operating)
- Vibration:
  - 5Hz-2000Hz at 2g, 0.38mm peak displacement (operating);
  - 5Hz-2000Hz at 5g, 0.76mm peak displacement (non-operating)