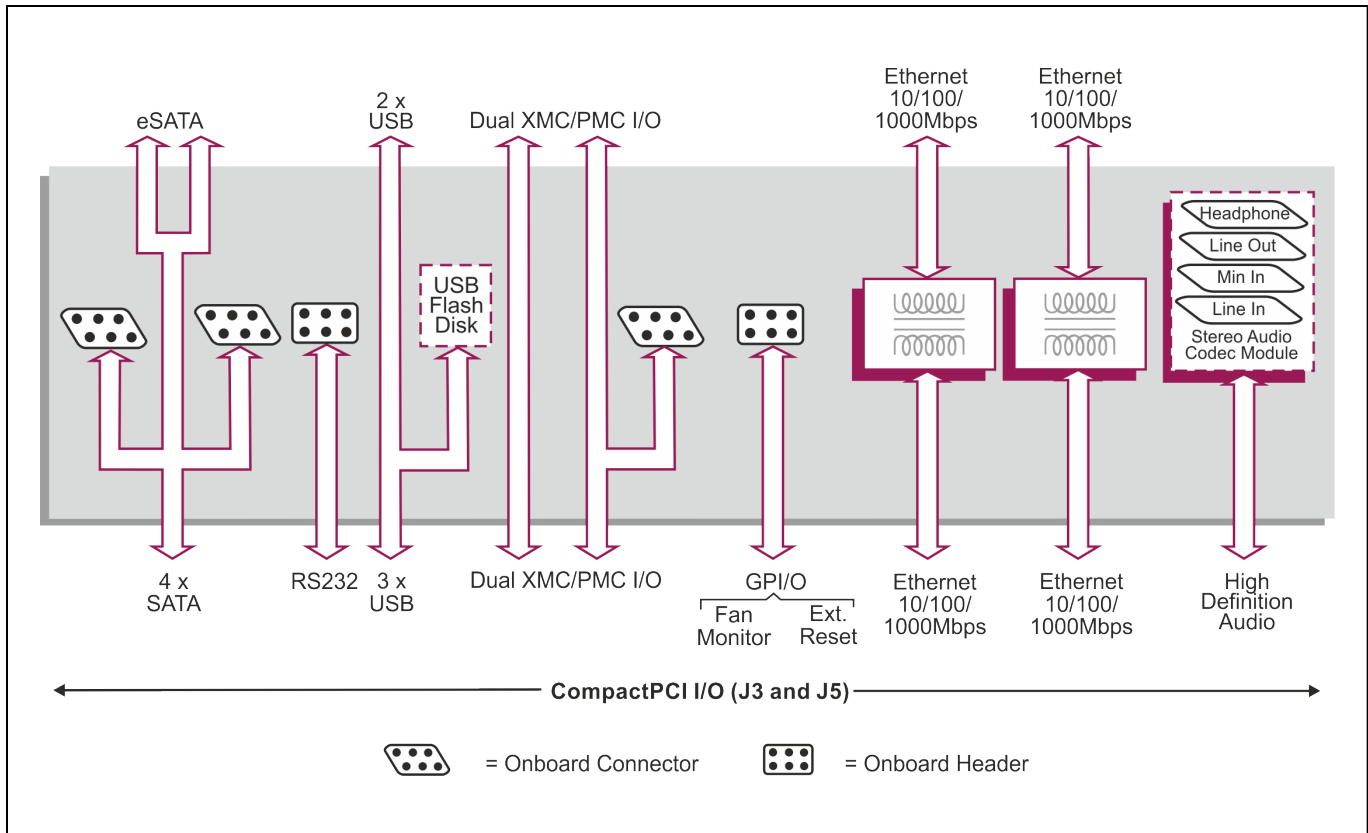
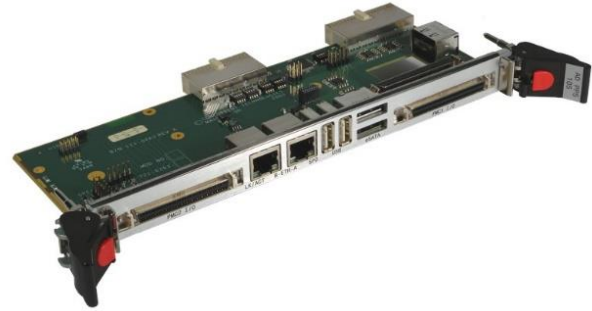


Rear Transition Module

Key Features

The AD PP5/105 is designed to be used with a range of Concurrent Technologies CompactPCI® Processor board families (e.g. PP 81x/09x, PP 712/08x). The Module mounts in the rear transition area of the CompactPCI backplane and provides straightforward access to the majority of the I/O functions provided on the processor board. Many I/O interfaces are accessed through the Transition Module's own front panel and the remainder from headers and connectors mounted on the Module.



Ethernet Interfaces

- two channels
- supports 10BASE-T, 100BASE-Tx and 1000BASE-T for UTP CAT5 via RJ45 connectors on front panel
- Ethernet signals are routed via Transition Module's front panel or via PICMG® 2.16 Packet Switching Backplane

Serial ATA Interfaces

- 4 x eSATA interfaces:
 - 2 via eSATA connectors on front panel
 - 2 via on-board eSATA connectors
 - transfer rates up to 300 Mbytes/s

Serial Interface

- 1 x RS232 asynchronous serial port:
 - accessed via on-board 10-way header
 - supporting TXD, RXD, RTS, CTS, DTR, DSR and DCD

USB Interfaces

- 3 x USB channels:
 - 2 channels accessed via USB connectors on front panel
 - 1 supporting optional on-board Flash disk

Stereo Audio Interface

- optional daughter board with HD CoDec supporting:
 - stereo line in
 - stereo microphone in
 - stereo line out
 - stereo headphones out
- accessed via four on-board horizontal jack sockets

PMC/XMC I/O

- 2 x 68-way high density D-type connectors on the front panel:
 - PMC I/O also available via on-board vertically mounted 68-way D-type connector
- each connector provides 64 bits of I/O from PMC/XMC sites on companion board
- PMC I/O wiring compatible with Concurrent Technologies PMC modules

Other Interfaces

- 10-way on-board header providing:
 - system fan monitor
 - external reset
 - general purpose user I/O lines (2 GPI and 2 GPO)
- 5-way on-board header providing:
 - legacy speaker

Environmental Specification

- Operating temperatures:
 - 0°C to +55°C (N-Series)
 - -25°C to +70°C (E-Series)
 - -40°C to +85°C (K-Series)
- non-operating: -40°C to +85°C
- 5% to 95% Relative Humidity, non-condensing (operating or non-operating):
 - K-Series includes humidity sealant

Electrical Specification

- +5V @ 0.1A (typical, with no USB devices attached)
- +3.3V @ 0.1A
- all voltages to within ±5%

Mechanical Specification

- 6U form-factor: 9.2" x 3.2" (233.35mm x 80mm)
- single-slot: 0.8" (20.3mm)
- connectors: IEC-1076-4-101 for J3 and J5
- shock:
 - 20g, 11ms, ½ sine (operating)
- vibration:
 - 5Hz-2000Hz at 2g, 0.38mm peak displacement (operating)

