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Find the *Concurrent Technologies AD PP5/105* at our website: *Click HERE*

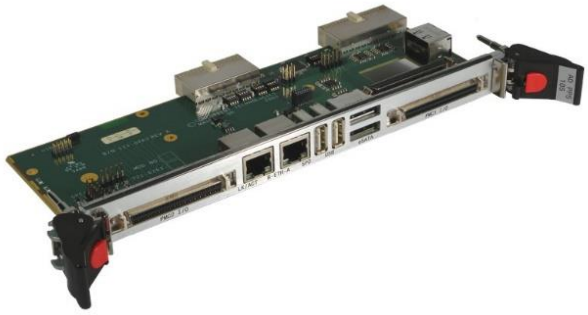
AD PP5/105

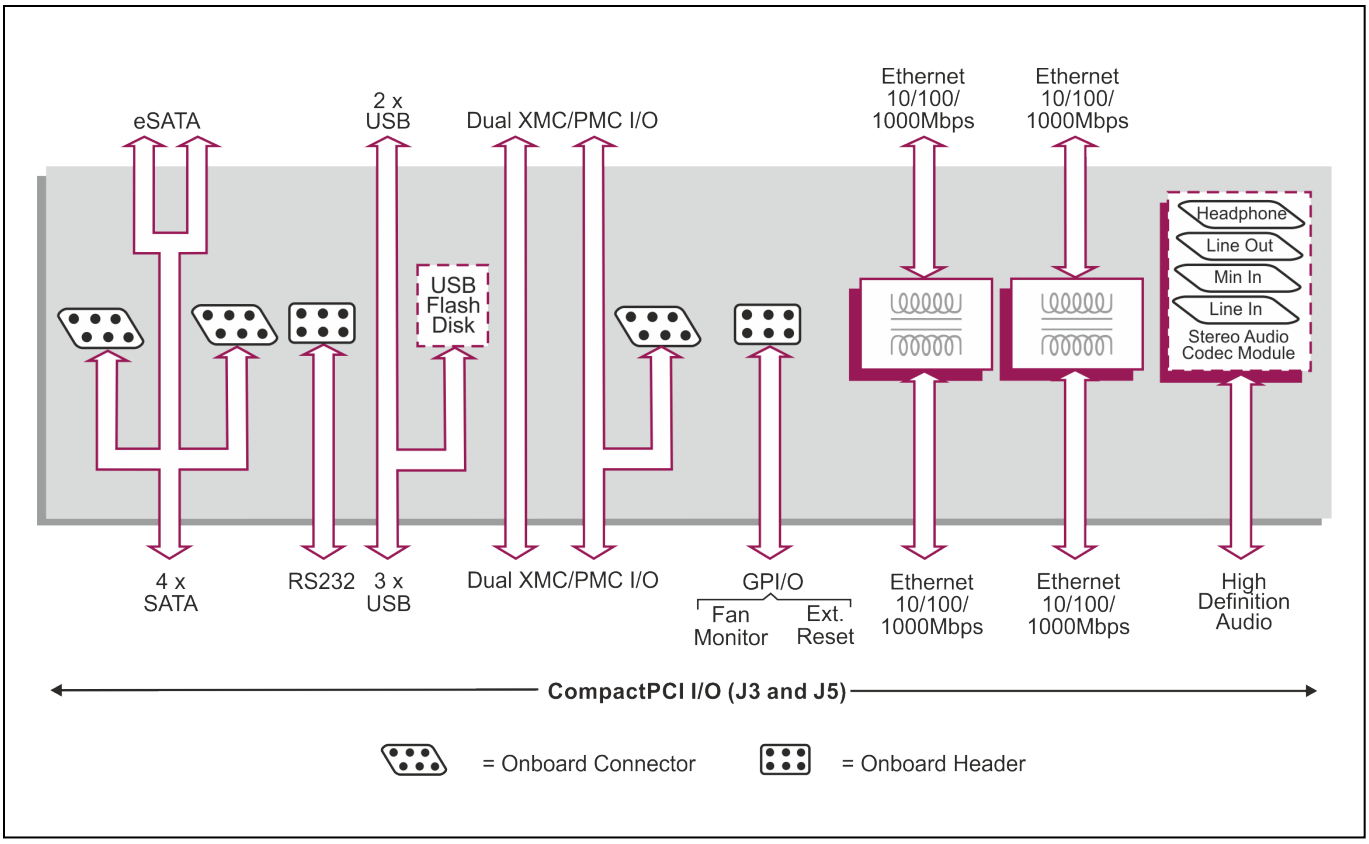
N, E, K - Series

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.





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Specification subject to change; E and OE.

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Specification

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)

Please contact your local Concurrent Technologies sales office for further details on board build options and accessories.

Datasheet Code 1613/1217
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