PMC Arinc 429 Card

Peripheral Component Interconnect Mezzanine Card
(ARINC 429 Databus Interface)

Key Features

- 128 x 32 Shared RAM Interface for ARINC429 controller
- Four 32 x 32 Receive FIFOs
- Two 32 x 32 Transmit FIFO's
- Programmable 12.5/100KHz bit rate
- Programmable Interrupts
- Independent data transmit/ Receive by each channel
- Filtering & Sorting of data
- Transmit/Receive FIFO status indicator
- Programmable output voltage wing and over voltage protection
- Adjustable ARINC rise and fall times
- Supports Linux 2.4/2.6

Cornet's CTI08D14 PMC card provides a PCI interface to an ARINC 429 data bus.

The card contains four receive channels and two transmit channels. Each channel is software configurable for high or low speed. The decoding and sorting of data allows the user to gather data much quicker.

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Specifications

ARINC429 controller: 4 ARINC 429 Receive Channels

2 ARINC 429 Transmit Channels

PCI: 32-bit
33MHz bus interface
PCI rev 2.3 compatible

Form factor: PMC (74mm X 149mm)
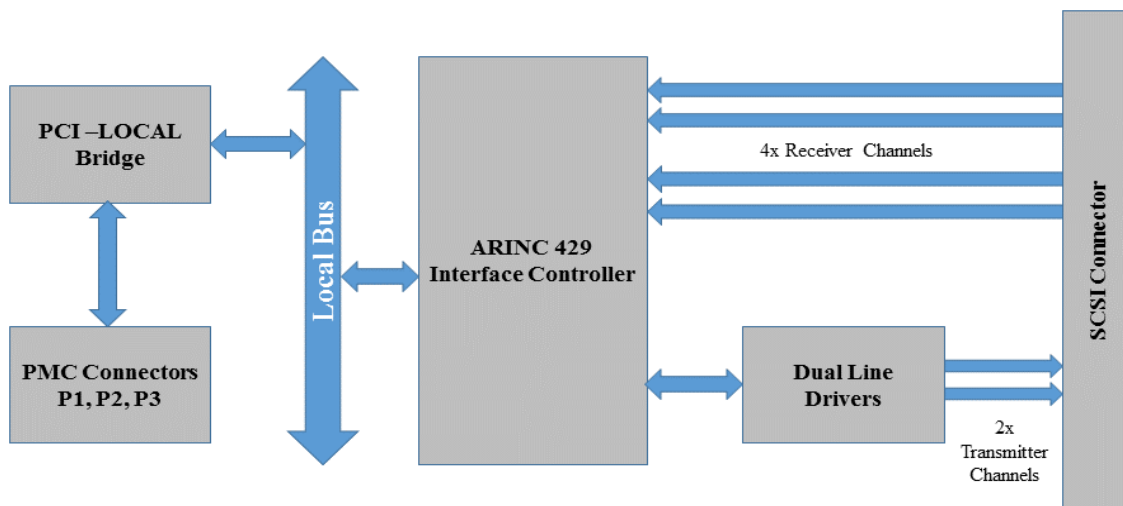
Connector: SCSI connector

Environment

Storage Temperature: -40 °C to +125 °C

Operating Temperature: -10 °C to +55 °C

Compliance: Industrial and RoHs Complaint

Operating voltage: +3.3V ± 5%, 12V ± 5%

Block diagram: PCI–LOCAL Bridge, PMC Connectors P1, P2, P3, Local Bus, ARINC 429 Interface Controller, 4x Receiver Channels, Dual Line Drivers, 2x Transmitter Channels, SCSI Connector

Product is Subject to U.S. Export Laws

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