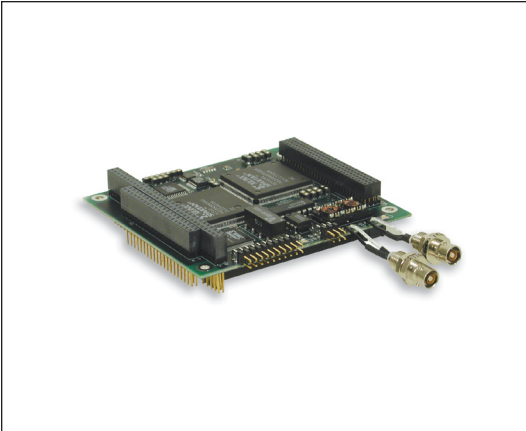


PC/104+ Based CAIS Remote card with PCI Interface



Applications

- Flight Test Instrumentation
- Data bridge between CAIS and any PC based communication bus
- Research Measurements & Experiments

Features

- PC/104+ CAIS Remote interface card
- Provides PC/104 computer stack with CAIS remote capability
- As a CAIS remote card it provides:
 - CAIS bus port for communication with CAIS Master
 - CAIS bus port for downstream remote DAU's
 - CAIS remote ID strapping provision
 - Operates at up to 417 KSPS
 - Dual Port RAM sharing with the PCI Bus for data acquisition
- Contains EEPROM lookup table for CAIS command translation
- Supports all CAIS operating modes
- Includes IRIG Time code Reader/Generator
- Time is available to the CAIS and to the PCI bus for sampling
- Provides power and temperature status to the CAIS and PCI bus
- Has 4 opto isolated general purpose outputs
- Has 4 discrete TTL general purpose inputs
- Linux Sample driver included with PCI bit Map
- Compatible with TTCWare software setup

Description

The PRCI-104 card is a PC/104+ form factor card for use in PC based platform as a CAIS bus remote. The card receives data through its Dual Port RAM (DPR) under user host processor control, that data is retrieved (sampled) from the DPR under format control by the CAIS controller via the CAIS bus. The DPR operates in several preprogrammed modes that are set via the CAIS bus. The card also provides an IRIG-B time code Reader/Generator. The time is available for sampling by the CAIS bus, or by the host PC via the PCI bus.

Revision 04/16/2009

PRCI-104 Datasheet

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