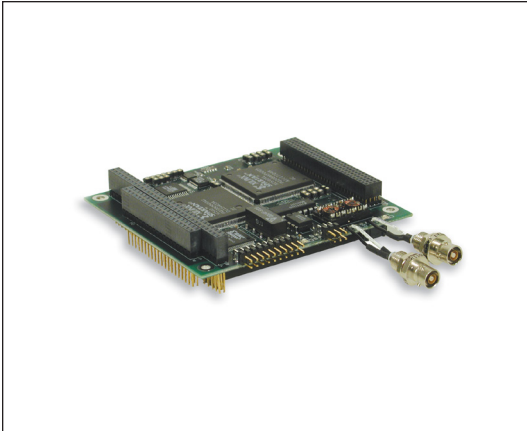


### PC/104 Based CAIS Controller with PCI Interface



#### Features

- PC/104+ Compatible CAIS Controller card
- Operates in a JDANS Bridge between CAIS and Fibre Channel
- Operates as a CAIS controller for up to 5 Mbps
- Contains EEPROM format memory using true sub-commutation
- Data is retrieved from CAIS remotes and PC/104 PCI Bus
- Provides Serial PCM data and associated clocks
- Provides 100% of PCM data to the PC/104 PCI Bus
- Programs CAIS remotes via the CAIS Bus
- System Audit and configuration are supported via this card
- PCM format generation using TTCWare software

#### Description

The PCIC-104 card is a PC/104+ form factor card for use in a PC based platform as a CAIS bus controller. The card acquires data from external CAIS remote units as well as from its PCI bus based on a preloaded onboard format/s. Data acquired is available as an IRIG PCM output with various clocks. In addition, all PCM data is available via an on board data RAM to the PCI bus for archival, analysis, and transmission to other industry standard communication buses. The card is capable of programming, and configuring, any CAIS compatible hardware. The card can acquire data from up to 60 CAIS remote units. Format, Sampling rate, PCM rate, PCM code and many other features are programmable using TTC's software TTCWare.

#### Applications

- Data bridge between CAIS and Fibre Channel
- Data bridge between CAIS and Ethernet
- Data bridge between CAIS any PC based communication bus
- PC Based CAIS controller without the need of a Decom
- Real Time data Archival and analysis without Decom
- Flight Test Instrumentation
- Research Measurements & experiments

Revision 05/11/2015

#### PCIC-104 Datasheet

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 Specifications subject to change without notice.

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CAIS  
Compatible



Management  
System  
AS9100C  
ISO 9001:2008

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