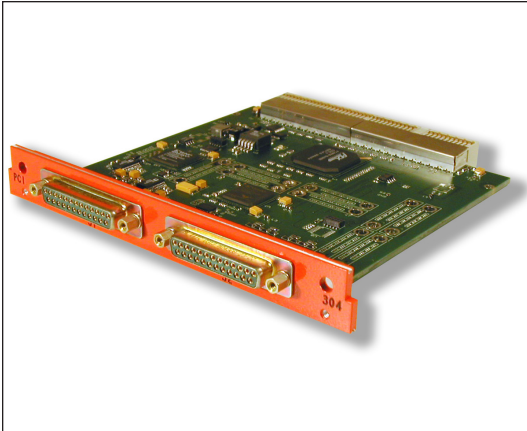


4-Channel PCM Interface Card



Applications

- Data acquisition systems
- Flight test instrumentation
- Lab test

Features

- For use in TTC'S AIM and HS-AVDAU products
- Four (4) independent PCM channels
- Each channel supports differential or single-ended input signals
- Built-in programmable frame correlator per channel
- Operation up to 20 Mbps per channel
- Multiple PCI-304 cards can operate in a chassis

Description

The PCI-304 is a 4-channel PCM Input Card for use in TTC's Airborne Instrumentation Multiplexer (AIM) and High-Speed Avionics Data Acquisition Unit (HSAVDAU) products. The PCI-304 card has four independent channel inputs, each of which accepts either single-ended or RS-422 differential inputs at standard rates up to 20 Mbps on a per-channel basis. All incoming data is buffered on the card, formatted as embedded PCM words, and sent to the overhead card for word selection and eventual telemetry transmission or storage on the recorder unit. The aggregate data rate output can be up to 80 Mbps. The four PCM/Clock interfaces are accessible at the PCI-304 faceplate via two DB-25 connectors. Multiple PCI-304 cards can reside in a given chassis. The PCI-304 driver and application software are available on the Overhead card that resides in the same chassis as the PCI-304. The PCI-304 can be programmed to enable or disable each individual channel, accept either single-ended (TTL) or differential (RS-422) inputs and setup the frame decommutation. The card provides background status reporting on a channel basis.

Revision 05/11/2015

PCI-304 Datasheet

©2015 Teletronics - A Curtiss-Wright Company
 Specifications subject to change without notice.

Approved for Public Release 16-S-1094



CAIS
Compatible



Management
System
AS9100C
ISO 9001:2008

Teletronics - A Curtiss-Wright Company

15 Terry Drive, Newtown, PA 18940

phone: 267.352.2020 fax: 267.352.2021 Sales@ttcdas.com

www.ttcdas.com