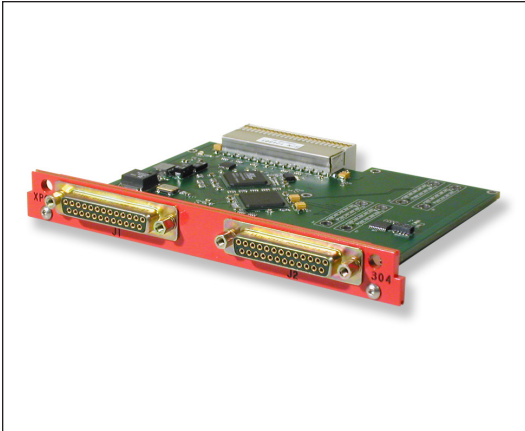


### 8-Channel PCM Interface Card



#### Applications

- Data Acquisition Systems
- Flight Test Data Recording
- Flight Test Instrumentation
- Lab Test

#### Features

- For use in TTC's MUX-300X(R) products
- Eight (8) independent PCM input channels
- Each channel supports RS-422 differential or LV single-ended input signals
- Built-in programmable frame correlator for each input channel
- Operation up to 20 Mbps per channel (RS-422 Differential inputs) with 80 Mbps total aggregate data rate per card
- Time tagging per IRIG chapter 10
- 100% data recording
- Frame lock output signal per channel
- Interfaces to customized 33MHz-32Bit CompactPCI® Bus
- Multiple XPCI-308 cards can be placed in a single chassis
- Configurable using TTC's Programmable Software Application (Windows 95/98/NT/2000/XP)

#### Description

The XPCI-308 card is an 8-channel PCM Input Card for use in TTC's MUX-300X(R) Data Acquisition products. The XPCI-308 card has eight independent channel inputs. All eight channels accept RS-422 differential inputs at rates up to 20 Mbps on a per channel basis. Total aggregate data rate per card is 80 Mbps. All eight channels are also selectable to allow input on separate single-ended input pins. The eight PCM Data/Clock interfaces are accessible at the XPCI-308 faceplate via two DB-25 connectors. The XPCI-308 driver and application software are available on the overhead card that resides in the same chassis with the XPCI-308. The XPCI-308 card occupies one I/O slot in the host chassis. Frame lock status outputs are available for all eight PCM channels.

Revision 05/13/2015

#### XPCI-308 Datasheet

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

Approved for Public Release 16-S-1392



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](http://www.ttcdas.com)