

### Adaptable Real-Time Multiplexer Card



#### Applications

- Data acquisition systems
- Flight test instrumentation

#### Features

- For use in TTC's MUX-300X products
- Up to 8 channels of incoming data
- Differential auxiliary data bus
- PCM stream output:
  - NRZ-L and randomized NRZ-L PCM encoding
  - Single-ended TTL clock and data signals
  - Differential clock and data signals
  - Outbound PCM data rates up to 20 Mbps
- Programmable using TTCWare or using the Command Line Interface
- Compatible with TTC's network acquisition and recording systems

#### Description

The XARM-301A-1 is an Adaptable Real-time Multiplexer card used in TTC's MUX-300X multiplexer products. A MUX-300X sends selected data from input cards in its chassis to the XARM-301A-1 for processing through a customized high-speed CompactPCI® bus. The XARM-301A-1 has differential and single ended PCM data outputs, a differential auxiliary data bus and supports aggregate outbound PCM data rates up to 20 Mbps. Multiple XARM-301A-1 cards can be installed in a single MUX-300X chassis. The XARM-301A-1 receives up to eight incoming data channels over the MUX-3000 PCI backplane and multiplexes the data, outputting it in a predetermined PCM format. The XARM-301A-1 can store and output up to 8 data formats that correspond to the recording modes on the MUX and automatically switches to the correct format when the recording mode on the MUX changes. The XARM-301A-1 output is available on the physical differential PCM and AUX outputs.

Revision 05/12/2015

#### XARM-301A-1 Datasheet

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Approved for Public Release 16-S-1366



CAIS  
Compatible



Management  
System  
AS9100C  
ISO 9001:2008

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