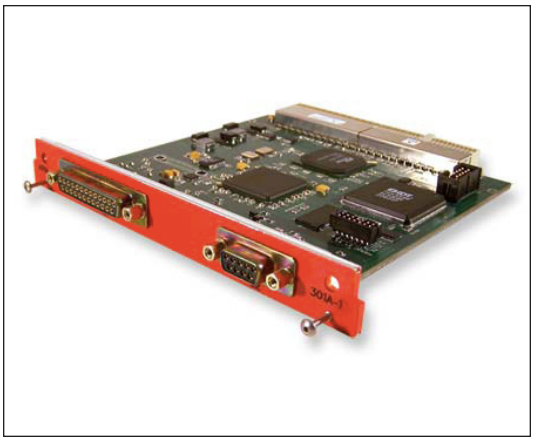
TELETRONICS TECHNOLOGY CORPORATION

ARM-301A-1 Datasheet

Adaptable Real-Time Multiplexer Module



Applications

- Data acquisition systems
- Flight test instrumentation

Features

- For use in TTC AIM and HS-AVDAU products
- 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.
  - Output PCM is decodable using the TTC Rack Mount Output Reproducer unit (RMOR-2000)
- Programmable using TTCWare or using the Command Line Interface
- Compatible with TTC network acquisition and recording systems

Description

The ARM-301A-1 is an Adaptable Real-time Multiplexer board used in TTC AIM and HS-AVDAU multiplexer products.

An AIM sends selected data from input cards in its chassis to the ARM-301A-1 for processing through a customized high-speed CompactPCI® bus. The ARM-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 ARM-301A-1 cards can be installed in a single chassis.

The ARM-301-A-1 receives up to eight incoming data channels over the AIM PCI backplane, multiplexes the data and then transmits it using a predetermined PCM format.. The ARM-301A-1 can store and output up to 8 data formats that correspond to the recording modes on the AIM and automatically switches to the correct format when the recording mode on the AIM changes. The ARM-301A-1 output is available on the physical differential PCM, single-ended PCM and AUX outputs. The output is decodable by using TTC's model RMOR-2000, Rack Mount Output Reproducer unit.

*Revision **03/25/2010***

AS9100 ISO 9001 KEMA CERTIFICATE

CAIS Compatible

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Teletronics Technology Corporation
15 Terry Drive, Newtown, PA 18940
phone: 267.352.2020 fax: 267.352.2021 Sales@ttcdas.com

www.ttcdas.com