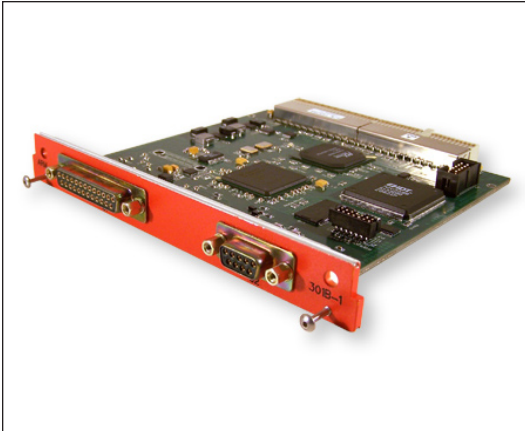


## Adaptable Real-Time Multiplexer Board



### Applications

- Data Acquisition Systems
- Flight Test Instrumentation

### Features

- For use in TTC Airborne Instrumentation Multiplexer (AIM) and High Speed Avionics Data Acquisition Unit (HS-AVDAU) products
- Single voice input port
  - CVSD or linear PCM encoding
- 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
  - Filtered PCM data stream
  - Outbound PCM data rates up to 20 Mbps
- Programmable using TTCWare® or using the Command Line Interface
- Compatible with TTC network acquisition and recording systems

### Description

The ARM-301B-1 is an Adaptable Real-time Multiplexer board used in TTC AIM and HS-AVDAU multiplexer products. The ARM-301B-1 board has a single voice input port with programmable input levels. Voice data may be merged into the PCM stream with Continuously Variable Slope Delta (CVSD) or linear PCM encoding. Data is output in a PCM stream with single-ended TTL clock and data signals. An auxiliary data port outputs a differential clock and data pair for bursting data to other modules. A third port outputs a filtered PCM data stream. Multiple ARM boards may be inserted in either the AIM-200x or HS-AVDAU 200x chassis.

Revision 03/25/2010

### ARM-301B-1 Datasheet

©2010 Teletronics Technology Corporation  
 Specifications subject to change without notice.



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

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