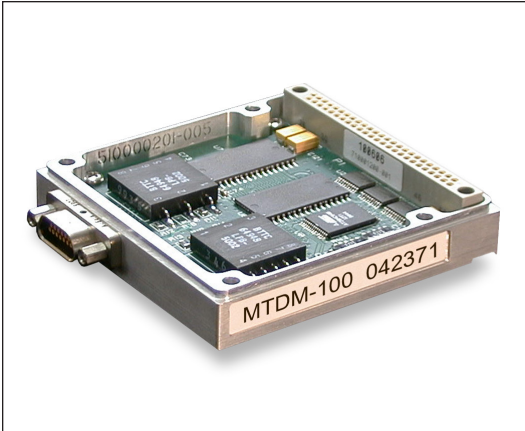


TDMS Controller Module



Applications

- Distributed Data Acquisition Systems
- TDMS-CAIS Bridge
- TDMS Bus Monitoring

Features

- 1-channel TDMS Controller Module
- Ideal as a “bridge” between TDMS and CAIS-based systems
- EEPROM based command instructions
 - User Defined command sequence
 - Programmed via RS-232/422 (host encoder)
 - Supports 8 predefined TDMS commands
- Processing of TDMS data
 - All TDMS data stored in RAM (on-module)
 - Data Inserted into host encoder’s PCM Stream on each command
 - New TDMS data sample is fetched on each command and placed in RAM
- Provides data latency of “one sample interval”

Description

The MTDM-100 is a 1-channel TDMS controller module for use in TTC’s MEDAU-2000 and MCDAU-2000 series products. The module can be used to initiate data transfers and process data replies from one or more TDMS remote units. The module serves as a “bridge” between the TDMS bus and the CAIS bus. TDMS is a proprietary command/reply communication bus, similar in operation to MIL-STD-1553. The module has an internal EEPROM containing the user-defined set of preprogrammed instruction commands to be transmitted on the TDMS bus. Eight (8) pre-defined commands are available to the user within the TTCWare™ software application. Acquired TDMS data is placed in the host encoder’s output serial PCM stream under format control. The next TDMS data word is automatically retrieved and placed into RAM in anticipation of the next PCM sample. All features are fully programmable using the TTCWare™ software application.

Revision 05/12/2015

MTDM-100 Datasheet

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CAIS
Compatible



Management
System
AS9100C
ISO 9001:2008

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