

2-Channel RS-232/422/485 Bus Monitor Module



Applications

- Aircraft instrumentation
- Avionics
- Lab test

Features

- 2-channel RS-232/422/485 bus monitor module
- Compatible with RS-232 Honeywell PPT transducers (up to 16 units per channel)
- Programmable RS-232 characteristics:
 - RS-232, RS-422 or RS-485 operation
 - Baud rates from 50 to 230,400 Baud
 - 5, 6, 7, or 8 data bits
 - 1, 1.5, or 2 stop bits
 - Odd, even, or no parity
- Timestamp per channel with high, low and micro time
- As a bus monitor:
 - Supports EIA-RS-232 standard
- Multiple operating modes:
 - Available on a per-channel basis
 - FIFO, current value table or double buffer mode
- One (1) external sync. pulse provided for per channel
- Multiple modules in a single chassis
- Programmable data organization to pack two bytes into one PCM word and select which byte is the most significant byte
- Data packetization modes:
 - Gap intervals in increments of 10ms or 249us w/message length qualification
 - Sync patterns of 3 to 6 bytes in length w/message length qualification
 - Alternating sync patterns of 2 or 3 bytes per pattern
 - PCM format controlled and sync pulse output for external system synchronization
- Microsoft Windows application software included

Description

The MBIM-232D-1 is a 2-channel RS-232 bus monitor module for use in TTC's MEDAU-20XX, MCDAU-20XX or MWDAU-20XX series products. The module supports serial communications per the EIA-RS-232 standard at baud rates from 50 baud up to 230.4 Kbaud on a per-channel basis. High, low and micro timestamping are provided on a per-data-packet basis.

Revision 05/12/2015

MBIM-232D-1 Datasheet

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

Approved for Public Release 16-S-0230



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