

## 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, Model PPT, PPT-R and PPT2
- Compatible with Rosemount Micro Air Data Transducer (Model 2014MB)
- Compatible with Paroscientific Pressure Transducers (Series 1000, 6000, and 9000)
- Compatible with Kulite pressure scanner model KMPS-1-32/64
- Programmable RS-232 characteristics:
  - RS-232, RS-422 or RS-485 operation
  - Baud rates from 50 to 230,400 Baud (921,600 in Kulite mode)
  - 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-2 is a 2-channel RS-232 bus monitor module for use in TTC's MEDAU/MCDAU/MnACQ/MWDAU-2000 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 (921.6 Kbaud in Kulite mode). High, low and micro timestamping are provided on a per-data-packet basis.

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### MBIM-232D-2 Datasheet

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Specifications subject to change without notice.

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CAIS  
Compatible



Management  
System  
AS9100C  
ISO 9001:2008

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