

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



### Applications

- Aircraft Instrumentation
- Avionics
- Lab Test

### Features

- 2 channel RS-232/422 Bus Monitor Module
- Compatible with RS-232 Honeywell PPT transducers (up to 16 units per channel).
- Compatible with Rosemount Air Data Transducer Model 2014MBxB.
- Single Ended and Differential programmable PCM output contains 100% of received data.
- Programmable RS-232 characteristics:
  - RS-232 or RS-422 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
- Time Tag per channel with High Time, Low Time 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
- Windows 2000/XP Software Included

### Description

The MBIM-232C-1 is a 2-channel RS-232 Bus Monitor Module for use in TTC's MEDAU-20XX or MCDAU-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 time, low time, and micro time tagging are provided on a per-data-packet basis. All incoming RS-232 data is stored on the module and is selectable by the user for transmission in the PCM output format as "Class I PCM" (standard fixed-position). 100% of the received data for both channels can be output via the modules Composite PCM output.

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### MBIM-232C-1 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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