

4-Channel RS-232 Bus Monitor Card



Applications

- Aircraft instrumentation
- Avionics
- Lab test

Features

- 4-channel RS-232/422 bus monitor card
- Compatible with RS-232 Honeywell PPT transducers (up to 16 units per channel)
- Compatible with Rosemount Air Data Transducer Model 2014MBxB
- Programmable RS-232 characteristics:
 - RS-232 or RS-422 operation
 - Baud rates from 50 to 115,200
 - 5, 6, 7, or 8 data bits
 - 1, 1.5, or 2 stop bits
 - Odd, even, or no parity
- Timestamp 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
- External pulse provided for sync
 - One (1) per channel
- Multiple cards 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 BIM-232-5 is a 4-channel RS-232 bus monitor card for use in TTC's EDAU/CDAU-20XX series products. The card supports serial communications per the EIA-RS-232 standard at baud rates from 50 baud up to 115 Kbaud on a per-channel basis. High time, low time, and micro timestamping are provided on a per-data-packet basis. All incoming RS-232 data is stored on the card and is selectable by the user for transmission in the PCM output format as "Class I PCM" (standard fixed-position).

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BIM-232-5 Datasheet

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