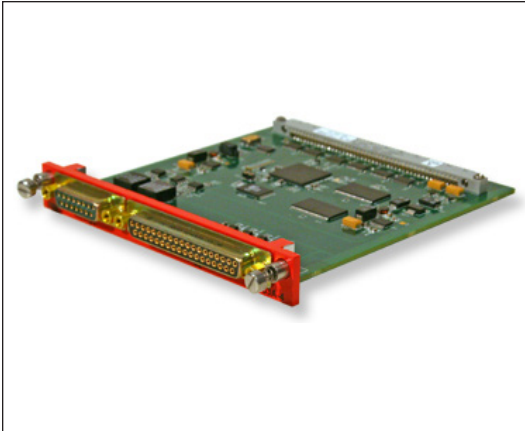


### Dual-Redundant MIL-STD-1553 Bus Monitor - Chapter 8 & 4 Compatible



#### Applications

- MIL-STD-1553 instrumentation
- Avionics bus monitoring
- Lab test

#### Features

- MIL-STD-1553 bus monitor card
  - One dual-redundant input channel
  - Supports 1553 A/B and MACAIR
  - Direct or transformer coupling
- IRIG 106-96, Chapter 8 (100% data)
  - From the card (1 track)
  - Uses CMP-112 card in the unit
  - Messages are FIFO buffered
- IRIG 106-96, Chapter 4 (selected data)
  - Selected data from pre-programmed message trigger list
  - Selected data from local bulk message storage
  - All incoming data (FIFO Based) per IRIG 106 Chapter 8 within Chapter 4
- Optional PCM track split output
  - Class II per IRIG 106-96, Chapter 8
  - User-selectable output rate
- Timestamp on a per message basis
  - High, low and micro time
- Multiple cards in a single unit
- Configurable to operate with analog conditioning cards in the same unit
- Microsoft Windows application software included

#### Description

The BIM-553A-8 is a dual-redundant MIL-STD-1553 bus monitor module for use in TTC's EDAU/CDAU-2000 series products. The module supports either direct or transformer coupling under user program control. High time, low time, and micro timestamping are provided on a per-message basis. All incoming 1553 messages are temporarily buffered on the module and can be selected by the user for transmission in the PCM output format as "Class I PCM" (standard fixed-position), and as "Class II PCM", and for transmission through a CMP-112 module as high-speed composite data (per IRIG 106, Chapter 8).

Note that the BIM-553A-8's IRIG "Chapter 4" capabilities can be used independently from the module's IRIG "Chapter 8" capabilities. For example, a BIM-553A-8 module can be used to support Chapter 4 data only for selected data and embedded Chapter 8 within Chapter 4. However, for the module to support a dedicated IRIG 106-96, Chapter 8 data stream, the module must be used with an CMP-112 module, and must have a module ID set for any valid value ranging from "0" through "7".

The card also provides a fully programmable PCM tracksplit output in accordance with IRIG 106, Chapter 8 requirements.

Revision 05/11/2015

#### BIM-553A-8 Datasheet

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Approved for Public Release 15-S-2261



CAIS  
Compatible



Management  
System  
AS9100C  
ISO 9001:2008

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