

8-Channel MIL-STD-1553 Bus Monitor Interface Card



Applications

- 1553 avionics bus monitoring
- Flight Test Data Recording
- Flight Test Instrumentation
- Lab Test

Features

- For use in TTC's MUX-300X(R) products
- Eight (8) independent 1553 Bus Monitor channels
- Each 1553 bus monitor channel supports:
 - Dual redundancy
 - Direct or Transformer bus coupling
 - 1553A/B and MACAIR
 - Time tag per IRIG chapter 10
 - 100% data recording
- Provides Composite PCM output per IRIG-106 Chapter 8 data format
- Interfaces to customized 33MHz-32Bit CompactPCI® Bus
- Multiple XBIM-553 cards can be placed in a single chassis
- Configurable using TTC's Programmable Software Application (Windows 95/98/NT/2000/XP)

Description

The XBIM-553 card is an 8-channel 1553 bus monitor interface card for use in TTC's MUX-300X(R) Data Acquisition products. The XBIM-553 card has eight dual redundant 1553 channel inputs. Each channel is individually programmable for Enable/Disable, 1553B or 1553A, Direct or Transformer coupled, and Response-Time time-out. Data acquired by the XBIM-553 card is transported to the Overhead card memory via a customized high-speed CompactPCI® bus where data can be stored on a data recorder. The card includes a composite PCM output per IRIG-106 Chapter 8 data format. The Chapter 8 data utilizes an external IRIG DC time input. Cherry picked data (selected data) is executed under CAIS bus control for transmission to a safety of flight. The XBIM-553 card occupies one I/O slot in the host chassis.

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XBIM-533 Datasheet

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