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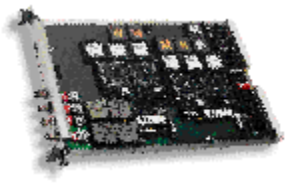
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Find the *Excalibur Systems EXC-1553VXI/EZC* at our website: ***Click HERE***





EXC-1553VXI/EZC

The EXC-1553VXI/EZC is an advanced dual channel MIL-STD-1553 test and simulation board for VXI computers. Compatible with all common variations of MIL-STD-1553 (A, B, F-16, McAir), the EXC-1553VXI/EZC can operate simultaneously as a Bus Controller and/or up to 32 Remote Terminals and Triggerable Monitor on two independent dual redundant channels. Error injection (BC and RT modes) and error detection (all modes) is built-in. The board is supplied with C drivers, including source code.

Specifications

General Specifications

- Handles Two Dual Redundant Channels
- Supports 1553A/B, F-16, McAir
- 4 usec. Intermessage Gap (all modes)
- 16K x 16 Dual Port RAM (per channel)
- Board Setup Modifiable in Real Time
- Programmable Interrupts
- Variable Amplitude Transceivers
- Direct or Transformer Bus Coupling
- Programmable Time Tag (RT & Mon)
- Error Injection (BC & RT)

Bus Controller

- Programmable Intermessage

Remote Terminal

- Up to 32 RT's
- Selectable Broadcast Mode
- Programmable Mode Subaddress
- Programmable Status Word
- Programmable RT Response Time

Physical Characteristics

- Dimensions 340mm x 233mm (C Size; including RFI/EMI shield)
- Weight 1.6 Kg

Operating Environment

- Temperature 0-45° C
- Humidity 5% - 90% Noncondensing
- MTBF 21,000hrs at 25° C, G_F

Software Support

Delay
- Programmable RT Response Time Out
- Programmable Frame Time
- Loop and Single-Shot Modes

Bus Monitor

- Three Operational Modes: Fixed Block, Link List, Look Up Table
- Three Storage Modes: Store All, Store Only, Store After
- Programmable Trigger Words and Trigger Masks

Host Interface

- VME Compliance Slave A16 & A24/A32: D8/D16
- VXI Compliance Register Based
- Memory Space Occupied 64K x 8
- Interrupts IRQ* 1-7
- Power +5V ±5% @ 5A
- +12V ±5% @ 300mA
- -12V ±5% @ 300mA

- C Drivers with source code

Ordering Information

- EXC-1553VXI/EZC Dual Channel 1553 Interface for VXI hosts

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