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





EXC-1553VME/E-V

The EXC-1553VME/E-V is an advanced MIL-STD-1553 test and simulation board for VME and VXI computers. This board is compatible with all common variations of MIL-STD-1553 (A, B, F-16, McAir) and can operate simultaneously as a Bus Controller and/or up to 32 Remote Terminals and a Triggerable Concurrent Monitor. This card is also available without the Concurrent Monitor (-NM option). Error injection (BC and RT modes) and error detection (all modes) is built-in. The board is supplied with C drivers, including source code. A C-size version of this product, EXC-1553VXI/E-V, is also available.

Specifications

General Specifications

- Supports 1553A/B, F-16, McAir
- Handles 4 usec. Intermessage Gap (all modes)
- 64K x 8 Dual Port RAM
- 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 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

Remote Terminal

- Up to 32 RTs
- Selectable Broadcast Mode
- Programmable Mode Code Subaddress
- Programmable Status Word
- Programmable RT Response Time

Physical Characteristics

- Dimensions 160mm x 233mm (B Size) or
- 340mm x 233mm(C Size, including RFI/EMI shield)
- Weight (VME/E-V) 600 grams

Operating Environment

- Temperature 0-45° C
- Humidity 5% - 90% Noncondensing
- MTBF (VME/E-V) 39,200hrs at 25° C, G_F

Software Support

- C Drivers with source code

Ordering Information

- EXC-1553VME/E-V 1553 Interface for VME (B Size)
- EXC-1553VME/E-V-NM 1553 Interface for VME without Concurrent Monitor
- EXC-1553VXI/E-V 1553 Interface for VXI (C Size)
- EXC-1553VXI/E-V-NM 1553 Interface for

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- Memory Space Occupied 64K x 8
- Interrupts IRQ* 1-7
- Power (VME/E-V) 5V ±5% @ 1.4A
- +12V @ 200mA
  - 12V @ 200mA

VXI without Concurrent Monitor

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