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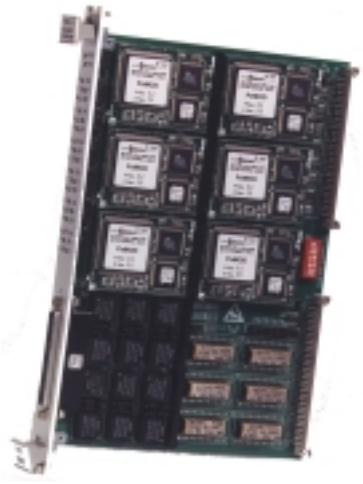
Find the *Excalibur Systems EXC-1553VXI/P3* at our website: *Click HERE*

EXC-1553VME/Px

MIL-STD-1553

The EXC–1553VME/Px is an advanced MIL-STD-1553 test and simulation board for VME and VXI host computers. The board supports up to six dual redundant 1553 channels and is compatible with all common variations of MIL-STD-1553 (A, B, F-16, McAir). Each channel of the EXC-1553VME/Px can operate simultaneously as a Bus Controller and up to 32 Remote Terminals or as a Triggerable Monitor. In addition, error injection (BC and RT modes) and error detection (all modes) are supported on each channel.

The EXC-1553VME/Px is supplied with C drivers, including source code. A C-size version of this product, EXC-1553VXI/Px, is also available.



General Specifications

Supports 1553A/B, F-16, McAir	Optional Variable Amplitude Transceivers
Handles 4 µSec Intermessage Gap (all modes)	Direct or Transformer Coupling
32 K Bytes Dual Port RAM (per channel)	Programmable Time Tag (RT & MON)
Board Setup Modifiable in Real Time	Error Injection (BC & RT)
Programmable Interrupts	

Bus Controller

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

Remote Terminal

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

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	32K x 8 per channel
Interrupts	IRQ 2 - 15
Power (/P1)	+5v ±5% @ 1.2A

Physical Characteristics

Mechanical Format (VXI includes RFI/EMI shield)	160mm x 233mm (B size) or 340mm x 233mm (VXI C size)
Weight (/P1)	400 Grams

Operating Environment

Temperature	0 - 70° C
Humidity	5% - 90% Noncondensing
MTBF (/P1)	99,500 hours at 25° C, G_F

Software Support

C Drivers with source code base on VISA specification	Windows 9x/ Windows NT

Ordering Information

EXC-1553VME/Px	1553 Interface for VME (B Size) VME Host 1 - 6 Modules
EXC-1553VME/Px-E	Ruggedized Model
EXC-1553VXI/PX(-E)	1553 Interface for VXI (C Size) VXI Host 1 - 6 Modules(Ruggedized)
EXC-1553VME/VXI/PMx	Any of above with concurrent BC/RT/Bus Monitor

Note: "x" specifies the number of MIL-STD-1553 channels required

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