



# EXC-1553PCI/Px

## General Specifications

Supports 1553A/B, F-16  
Handles 4  $\mu$ sec. Intermessage Gap (all modes)  
32K bytes dual-port RAM (per channel)  
Board setup modifiable in real time  
Programmable Interrupts  
Variable amplitude transceivers  
Direct or Transformer Bus coupling  
Programmable Time Tag resolution (RT & MON)  
Error Injection (BC & RT)

## Host Interface

PCI: Target 8 / 16 bit  
Memory space occupied: 32K x 8 per channel  
Interrupt: INTA#  
Power (/P1): +5V  $\pm$ 5% @ 1.2A

## Physical Characteristics

Mechanical format: 175mm x 107mm  
Weight (/P): 135 grams

## Operating Environment

Temperature: 0° - 70°C  
Humidity: 5% - 90% noncondensing  
MTBF: 96,000 hours at 25°C, G<sub>F</sub>

## Software Support

C Drivers with source code  
Merlin+ Windows software for Windows 9x/NT/2000

## 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 Triggers and Masks  
Concurrent Monitor supports sequential operation only

## Ordering Information

EXC-1553PCI/Px: Multi-channel 1553 Interface for PCI  
bus (up to 4 modules)  
EXC-1553PCI/Px-E: Extended temp., ruggedized model  
(with or without -M option)  
EXC-1553PCI/PMx(-E): Supports concurrent BC/RT/BM  
for each channel  
EXC-1553PCI/Px - 1760: 1760 protocol support  
(with or without -M option)  
Note: "x" specifies the number of MIL-STD-1553 channels required

MIL-STD-1553

1-800-MIL-1553

[www.MIL-1553.com](http://www.MIL-1553.com)