



# EXC-1553cPCI/MCH

## General Specifications

Supports 1553A/B,  
32K x 16 dual-port RAM (per channel)  
Operates as BC,RT BM or RT/Concurrent BM  
(each channel)

Polling or Interrupt Driven  
Built in Test (BIT) capability (each channel)

## Host Interface

Compact PCI: Target 8 / 16 bit  
Memory space occupied: 32K x 16 channels  
Interrupts: INTA#  
Power (/MCH-2): +5V  $\pm$ 5% @ 1.2A

## Physical Characteristics

Mechanical format: Eurocard 3U 175mm  
Weight (/MCH-2): 350 grams

## Operating Environment

Temperature: 0° - 70°C  
Humidity: 5% - 90% noncondensing  
MTBF (/MCH-2) 79,000 hours at 25°C, G<sub>F</sub>

## Software Support

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

1-800-MIL-1553

## Bus Controller

Programmable Automatic Retry  
Major and minor frames  
Programmable Intermessage Gap  
Advanced message control features

## Remote Terminal

Single RT simulation  
Message Illegalization  
Double buffering of data  
16 bit Time Tag  
Selectable Broadcast Mode

## Bus Monitor

Monitor all or selected messages  
16 bit Time Tag

## Ordering Information

EXC-1553CPCI/MCH-x Multi-channel 1553 interface for compact CPCI  
EXC-1553CPCI/MCH-x-E Extended temp. ruggedized model (chips verified for -40° - 85°C)

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

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

MIL-STD-1553