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# EXC-1553PCMCIA/EP

## General Specifications

Supports 1553A/B, F-16, McAir  
32K x 8 dual-port RAM  
Board setup modifiable in real time  
Programmable Interrupts  
Programmable Time Tag resolution (RT & MON)  
Reinforced I/O connector  
Loopback mode facilitates 1553 cable testing  
Direct or transformer bus coupling

## Host Interface

PCMCIA compliance: PCMCIA release 2.1,  
Flash based CIS table  
Memory space occupied: User-programmable  
Power: +5V  $\pm$ 5% @ 0.4A (0% duty cycle)  
@ 0.9A (75% duty cycle)

## Physical Characteristics

Mechanical format: 86mm x 54mm x 10mm  
(PCMCIA type II)  
Weight : 100 grams

## Operating Environment

Temperature: 0° - 70°C  
Humidity: 5% - 90% noncondensing  
MTBF: 50,000 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

## Ordering Information

EXC-1553PCMCIA/EP	Advanced 1553 Interface for PCMCIA type III
EXC-1553PCMCIA/EPM	Allows Concurrent BC/RT and sequential monitor
EXC-1553PCMCIA/EP-R	With hardwired cable connection
EXC-1553PCMCIA/EPM-R	Ruggedized concurrent BC/RT/sequential monitor
EXC-1553PCMCIA/EP-1760	1760 protocol support (Available with or without other options)

MIL-STD-1553

1-800-MIL-1553

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



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