

Excalibur Systems EXC-1553PCMCIA/B-R-E

MIL-STD-1553 Test and Simulation Card



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EXC-1553PCMCIA/B

The EXC- 1553PCMCIA/B is an intelligent, memory-mapped MIL-STD-1553 interface card which complies with the Personal Computer Memory Card International Association (PCMCIA Release 2.1) standard, including Plug and Play. The card's small size and suitability for PCMCIA compatible notebook computers with Type II slots make it a complete solution for developing and testing 1553 interfaces and for performing system simulation of the MIL-STD-1553 bus, both in the lab and in the field.

General Features

- ◆ Supports MIL-STD-1553A/B
- ◆ 64K x 16 dual-port RAM
- ◆ Operates as BC, RT, BM and RT Concurrent Monitor
- ◆ Polling or interrupt driven



Bus Controller Mode

- ◆ Programmable automatic retry
- ◆ Major and minor frames
- ◆ Programmable Intermessage Gap
- ◆ Advanced message control features

Remote Terminal Mode

- ◆ Single RT
- ◆ Message Illegalization
- ◆ Double buffering of data
- ◆ 16 bit Time tag

Bus Monitor Mode

- ◆ Monitor all or selected messages
- ◆ 16 bit Time tag

Software Support

- ◆ C Drivers with source code
- ◆ Merlin MCH software for Windows
- ◆ Additional software may be available on our website

Physical Characteristics

- ◆ Mechanical format: 86mm x 54mm x 5mm (PCMCIA type II)
- ◆ Weight (incl. cable): 102g

Operating Environment

- ◆ Temperature: 0° - 70°C
-40° to +85°C extended temperature (optional)
- ◆ Humidity: 5% - 90% noncondensing
- ◆ MTBF: 94,600 hours at 25°C, G_F

Host Interface

- ◆ PCMCIA compliance: PCMCIA release 2.1 Plug and Play
- ◆ Power: +5V ±5% @ 165mA (0% duty cycle)
@ 690mA (75% duty cycle)

Ordering Information

- ◆ EXC-1553PCMCIA/B-R
1553 Interface for PCMCIA Type II with hardwired cable connection
- ◆ Additional Options:
-E Extended temperature card



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These specifications are subject to change without notification



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