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Data Sheet

August 15, 2026

EXCALIBUR SYSTEMS

Excaltbur Systems EXC-1553PCMCIA/B-R-E MIL-STD-1553 Test and Simulation Card

The Excaltbur Systems EXC-1553PCMCIA/B-R-E is a MIL-STD-1553 test and simulation card engineered for PCMCIA-compatible computers. This Type II PCMCIA card provides a complete interface for testing and simulating MIL-STD-1553 communication buses across aerospace and defense applications. Built on UTMIC's SUMMIT™ LX/DX 1553 Controller architecture and PCMCIA Release 2.1 compliance, it enables Bus Controller, Remote Terminal, Bus Monitor, and RT/Concurrent Monitor operations in both laboratory and field environments. Operating modes: Bus Controller (BC), Remote Terminal (RT), Bus Monitor (BM), RT/Concurrent Monitor Control Registers: 32 words mapped within Common memory space Interfaces & Connectors MIL-STD-1553 Bus: 25-pin connector with transformer coupling; adapter cable to miniature female twinax connector included Performance Capabilities



MODEL

**Excaltbur Systems
EXC-
1553PCMCIA/B-R-
E**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

**EXC-
1553PCMCIA/B-R-
E**

LISTING

[https://aumictechlabs.c
om/products/exc-1553p
cmcia-b-r-e-2/](https://aumictechlabs.com/products/exc-1553p-cmcia-b-r-e-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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EXC1553PCMCIA BRE Characteristics / Specifications

PARAMETER	VALUE
Model	EXC-1553PCMCIA/B-R-E
Instrument Type	MIL-STD-1553 PCMCIA interface card
Mechanical Package	PCMCIA Type II
Pcmcia Spec	PCMCIA release 2.1 16-bit
Protocol	MIL-STD-1553
Operating Modes	Bus Controller, Remote Terminal, RT with concurrent monitor
Memory	64K word dual-port RAM
Cable	ruggedized hard-wired cable connection (R suffix)
Extended Temperature	minus 40 C to plus 85 C (E suffix)
Direct Couple Cable	B-R-D suffix cable for direct-coupled mode
Software	C driver library with source and Merlin application
Host	PCMCIA-equipped notebook computers
Programming	card operation may be programmed in real time
Manufacturer	Excalibur Systems
Family	EXC-1553PCMCIA
Related Multi Function	EXC-1553PCMCIA/Px up to two dual-redundant channels with 32 RTs
Related Px Size	credit-card sized 86 mm x 54 mm x 5 mm class Type II
Channel Count B	single-function 1553 channel on /B
Error Injection Px	error injection and detection on /Px multi-function siblings
Os Note	PCMCIA slot must support 16-bit operation
Application Class	lab and field 1553 simulation
Connector	hard-wired 1553 cable on R versions
Sibling P	EXC-1553PCMCIA/P1-R single-channel multi-function

EXC1553PCMCIA BRE Specifications

PARAMETER	VALUE
Applications	Portable 1553 bus simulation and monitoring in the lab or on the flight line using a PCMCIA 16-bit notebook slot.
Key Features	PCMCIA Type II credit-card 1553 interface
BC RT and concurrent monitor	Extended temperature minus 40 to 85 C on E suffix
Technical Specifications	Model: EXC-1553PCMCIA/B-R-E

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Os Note	PCMCIA slot must support 16-bit operation
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Connector	hard-wired 1553 cable onRversions
Sibling P1	EXC-1553PCMCIA/P1-R single-channel multi-function
Sibling P2	EXC-1553PCMCIA/P2-R dual-channel multi-function

Notes

From Excalibur EXC-1553PCMCIA/B and /Px product pages. B-R-E is the rugged-cable extended-temperature single-function Type II card; confirm 16-bit PCMCIA slot support on the host.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.