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Data Sheet

August 15, 2026

EXCALIBUR SYSTEMS

Excilibur Systems EXC-2000PCI Multi-Protocol Board

The Excilibur Systems EXC-2000PCI is a versatile multi-protocol board designed for PCI bus systems. It supports a wide array of communication protocols, making it suitable for various applications including avionics, military, and industrial control systems. The board facilitates efficient data transfer and processing, ensuring reliable performance in demanding environments.



MODEL

**Excilibur Systems
EXC-2000PCI**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

EXC-2000PCI

LISTING

<https://aumictechlabs.com/products/exc-2000-pci-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Excilibur Systems EXC-2000PCI is a multi-protocol interface board designed for PCI bus systems. It integrates multiple communication interfaces onto a single PCI slot through interchangeable modules, delivering flexible test and simulation capabilities for avionics, military, and industrial control applications. The board measures 126.6 mm × 106.68 mm (smaller than half-size) and weighs 93 g without modules, featuring two high-density DB-26 female connectors for compact system integration. Technical Specifications Host Interface PCI Universal target, 8/16-bit compliant 512 Kbytes memory space INTA# interrupt support Module Architecture Accommodates up to two independent, removable 4000-family modules MIL-STD-1553/1760, H009, and MMSI

modules are not compatible with this board Supported Protocols ARINC-429/575: 5 or 10 channels per module ARINC-708/453: 2 channels per module ARINC-717: M4K717 module support RS485/RS422/RS232: 2 or 4 channels per module CAN Bus: 2, 4, or 6 channels per module Discrete I/O: 20 channels per module ADDA and AFDX protocols available via specific modules Environmental Performance Operating temperature: 0°–70°C (standard) or -40° to +85°C (-E extended option) Humidity: 5%–90% non-condensing MTBF: 560,100 hours at 25°C (GF, S217F) Key Features C language drivers with source code included Menu-driven software for supported protocols Optional Exalt Plus (Windows 32/64-bit analysis tools) SDKs for Windows, Linux, VxWorks, and LabVIEW environments Conformal coating option (-001) available Typical Applications Avionics test systems, military platform integration, industrial control simulation, and multi-protocol data acquisition requiring compact PCI form factors. Compatibility & Integration Universal PCI bus systems with 8/16-bit support. Optional extended temperature (-E) and conformal coating (-001) configurations available for harsh environments.

EXC2000PCI Characteristics / Specifications

PARAMETER	VALUE
Model	EXC-2000PCI
Instrument Type	PCI multi-protocol avionics carrier
Module Sites	2 independent removable modules
Bus	PCI
Arinc 429 Five Ch	M4K429RT5 five programmable channels
Arinc 429 Ten Ch	M4K429RT10 ten programmable channels
Other Protocols	ARINC-708 serial discrete CAN
Four Module Sibling	EXC-4000PCI up to 4 modules and forty ARINC-429 channels
Pcie Sibling	EXC-2000PCle two modules on PCI Express
Pcie Protocol Limit	MIL-STD-1553/1760 H009 MMSI cannot be used on EXC-2000PCle
Extended Temperature	minus 40 to plus 85 C with Esuffix
Conformal Coat	001 suffix
Software	C drivers with source, Mystic, Exalt
Mating Connector	provided for I/O connection
Cable Adapter	X4K-xx 50 cm adapter on the 4000 family
Error Injection	ARINC-429 channels feature error injection and detection
Manufacturer	Excalibur Systems
Family	EXC-2000 / EXC-4000 multi-protocol
Host	PCI computers
Example Mix Pcie	20 ARINC-429 channels and 20 discrete I/O from one EXC-2000PCle
Ram Architecture	most modules dual-port RAM processor based
Application Class	avionics test and simulation
Module Mix	xx in the part number specifies installed modules

EXC2000PCI Specifications

PARAMETER	VALUE
Applications	PCI-hosted avionics test mixing ARINC-429, 708, serial, discrete, and CAN on two module sites.
Key Features	Two independent M4K module sites on PCI
C drivers with source	PCI Express sibling EXC-2000PCle
Technical Specifications	Model: EXC-2000PCI
Notes	From Excalibur EXC-2000PCI/xx and EXC-4000PCI/xx product pages. Installed protocol mix is defined by the two M4K modules.

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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Notes	
From Excalibur EXC-2000PCI/xx and EXC-4000PCI/xx product pages. Installed protocol mix is defined by the two M4K modules.	

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