

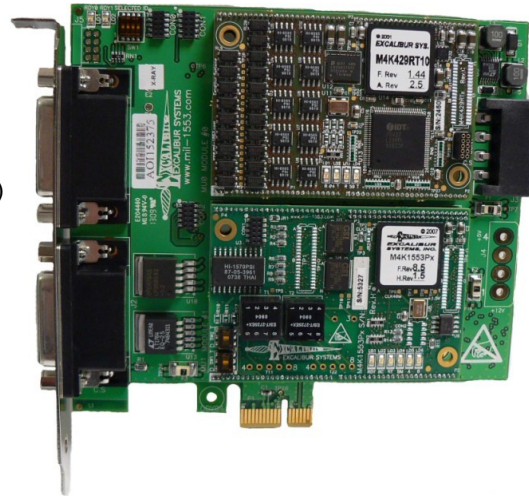
EXC-2000PCle

The EXC-2000PCle is part of the 4000 family of multiprotocol carrier boards. This PCI Express interface board supports up to two independent, removable modules. Each module can be any of the 4000 family modules (excluding 1553/1760, H009 and MMSI).

The EXC-2000PCle supports Direct Memory Access (DMA), which enables the board to access system memory for reading and writing independently of the computer's CPU. This results in faster data transfer to and from the board, with much less CPU overhead than when not using DMA.

General Features

- ◆ Supported Protocols:
 - ARINC-429/575 (5 or 10 ch. per module)
 - ARINC 708/453 (2 ch. per module)
 - Discrete I/O (20 ch. per module)
 - Serial RS485/RS422/RS232 (2 or 4 ch. per mod.)
 - CAN (2, 4, or 6 ch. per module)
- ◆ Smaller than Half-size PCI Card (see Dimensions)
- ◆ Two high density DB-26 female connectors
- ◆ Cost effective compared to the larger EXC-4000PCle carrier board



Physical Characteristics

- ◆ Dimensions: 120mm (4.72") x 106.7mm (4.2")
- ◆ Weight: 105g (without modules)

Operation Environment

- ◆ Temperature: 0°–70°C standard temperature
–40° to +85°C extended temperature (optional)
- ◆ Humidity: 5%–90% noncondensing

Host Interface

- ◆ PCI Express compliance: x1 lane PCIe v1.1
- ◆ Memory space occupied: 512 Kbytes
- ◆ Interrupts: INTA# virtual wire
- ◆ Power: Depends on configuration. For more details, see the user's manual.

Software Support

- ◆ C drivers with source code
- ◆ Menu driven software for most of the supported protocols
- ◆ *Exalt Plus*: Excalibur Analysis Laboratory Tools for Windows 32/64-bit (optional)
- ◆ Additional software may be available on our website

Ordering Information

- ◆ **EXC-2000PCle/xx**
Multi-protocol interface board for PCI Express compatible systems
- Note:** Replace "xx" with the carrier board modules ordered. Use the module code specified in the *Module Ordering Information* on our website, or in the *User's Manual* of the board.
- ◆ Additional Options:
 - E Extended temperature option
 - 001 With conformal coating



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These specifications are subject to change without notification



311 Meacham Ave ◆ Elmont NY 11003
 Tel [516] 327-000 / Fax: [516] 327-4645
 e-mail: excalibur@mil-1553.com
 website: www.mil-1553.com

