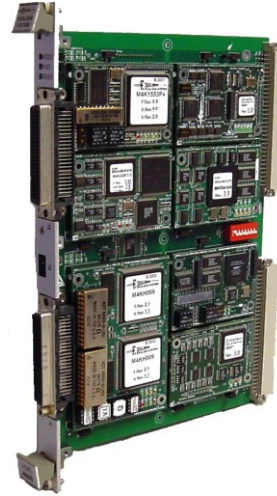


EXC-4000VME & EXC-4000VXI

The EXC-4000VME and EXC-4000VXI are part of the 4000 family of multiprotocol carrier boards. These VME/VXI boards can hold up to eight independent, removable modules. Each module can be any of the 4000 family modules.

General Features

- ◆ Supported Protocols:
 - ARINC 429/575 (5 or 10 ch. per module)
 - ARINC 708/453 (2 ch. per module)
 - MIL-STD-1553 (single function or multifunction)
 - MIL-STD-1760
 - Discrete I/O (20 ch. per module)
 - Serial RS485/RS422/RS232 (2 or 4 ch. per module)
 - H009
 - CAN (2, 4, or 6 ch. per module)
 - MMSI
- ◆ EXC-4000VME B-size board
- ◆ EXC-4000VXI C-size board
- ◆ Optional rear I/O on P2 (for EXC-4000VME)



Physical Characteristics

- ◆ Dimensions:
 - VME: 160mm x 233.35mm
 - VXI: 340mm x 233.35mm
- ◆ Weight:
 - VME: 305g (without modules)
 - VXI: 1.045Kg (without modules)

Operation Environment

- ◆ Temperature: 0°–70°C standard temperature
–40° to +85°C extended temperature (optional)
- ◆ Humidity: 5%–90% noncondensing
- ◆ MTBF: 219,800 hours at 25°C, G_F, S217F

Host Interface

- ◆ VME/VXI compliance:
 - Slave: Address – A16 & A24/A32
 - Data – D08 (EO), D16
 - Interrupts – IRQ 1-7*, D16/D08, ROAK
- ◆ VXI device class: Register based
- ◆ Memory space occupied:
 - 1024 Kbytes @ A24/A32 (128K per module)
 - 64 bytes @ A16
- ◆ Power (without modules):
 - +5V @ 520mA
 - +/-12V @ 15mA

Software Support

- ◆ C drivers with source code based on VISA specifications
- ◆ Menu driven software for most of the supported protocols on NI-VISA systems
- ◆ *Exalt Plus*: Excalibur Analysis Laboratory Tools for Windows 32/64-bit (optional, for 1553 only)
- ◆ Additional software may be available on our website

Ordering Information

- ◆ **EXC-4000VME/xx**
Multi-protocol interface for VME compatible systems
- ◆ **EXC-4000VXI/xx**
Multi-protocol interface for VXI 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



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