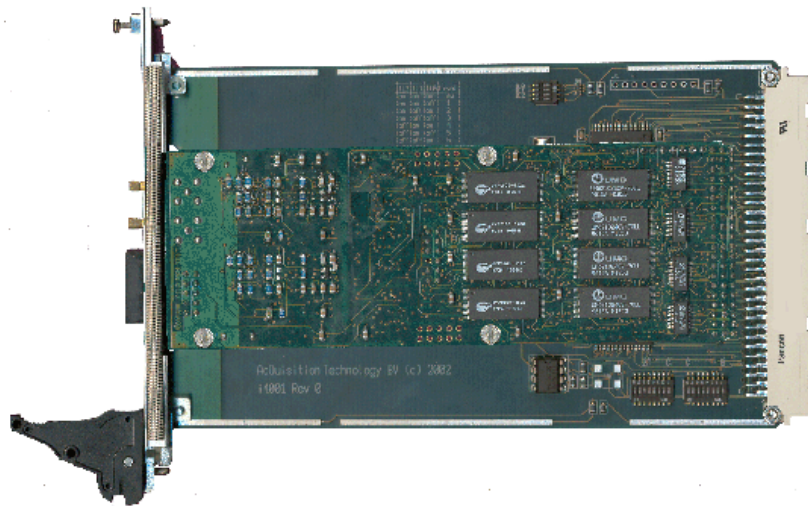# i4001

M-module Carrier for VMEbus (3U)

The i4001 is a 3U form factor M-module carrier for the VMEbus and forms the basics of a flexible I/O system. It offers the user a means of integrating M-modules in a VMEbus system. The i4001 has one M-module slot. M-module interrupts can be passed to the VMEbus. The i4001 supports vector-from-module and vector-from-baseboard, this means that interrupt vectors are provided by the the M-module or by the i4001. The interrupt from the M-module can be masked. The level on which an interrupt is issued to the VMEbus, is selectable by either setting a DIP-switch or by software. The base address of the i4001 is configurable by DIP-switches, which maps it in the standard (A24) or short I/O (A16) space of the VMEbus. The DIP-switches are accessible for configuration when the M-module is mounted.

Features:
> Features one M-module slot
> Occupies one 3U VMEbus slot
> Selectable short or standard VMEbus addressing (A16/A24) with byte (even/odd) or word data transfers (D08(E/O)/D16)
> Programmable interrupt controller with D08(O) interrupt vector and I(x) interrupt level characteristics
> Peripheral I/O connectors up front

VMEbus Compliancy

* A24/A16, D16/D08(EO)
* D08(O) (DYN) interrupt vector
* I(x) interrupt level

M-module Interface

* 1 M-module slot
* A08, D16/D08 address- and databus width
* INTA / INTB / INTC supported
* Interrupt enable/disable for the M-module
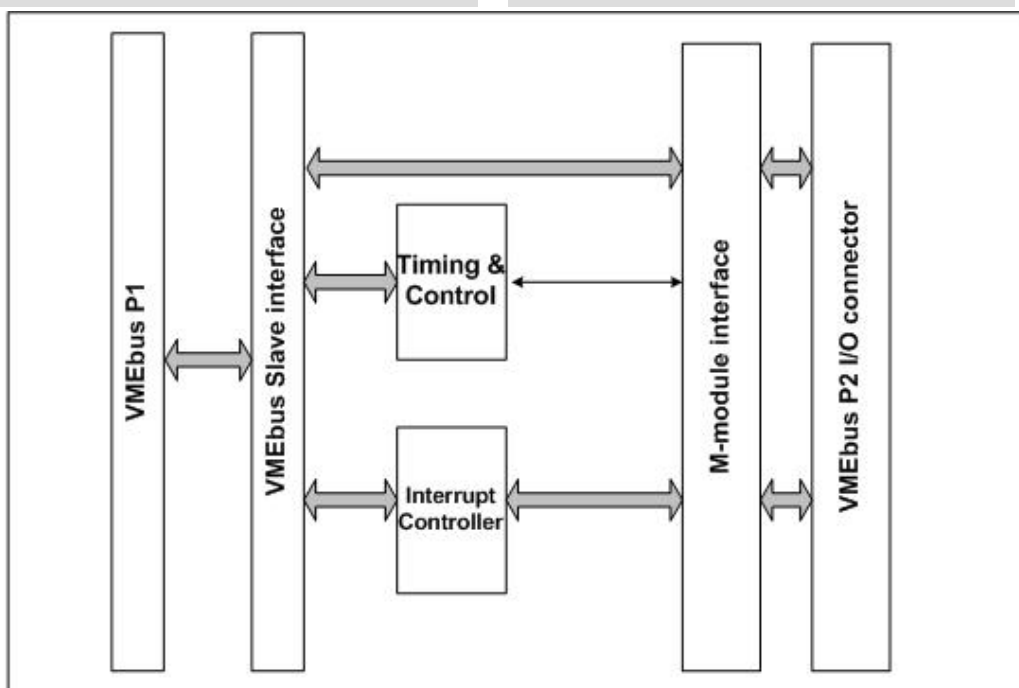* Programmable interrupt vector

Connections

* P1 to VMEbus
* 1 M-module interface connector
* M-module peripheral I/O connector up front

Software Support

* APIS platform support for OS-9,
  Solaris/Solflower
* Other platforms on request

Ordering Information

* **i4001/T01** M-module carrier
* **i4001/BBIS** subroutine module for OS-9
* **i4001/SW** APIS based software
* **i4001/MAN** manual on paper
* **i4001/DSUB** D-sub bracket

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i4001_v2_ds

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