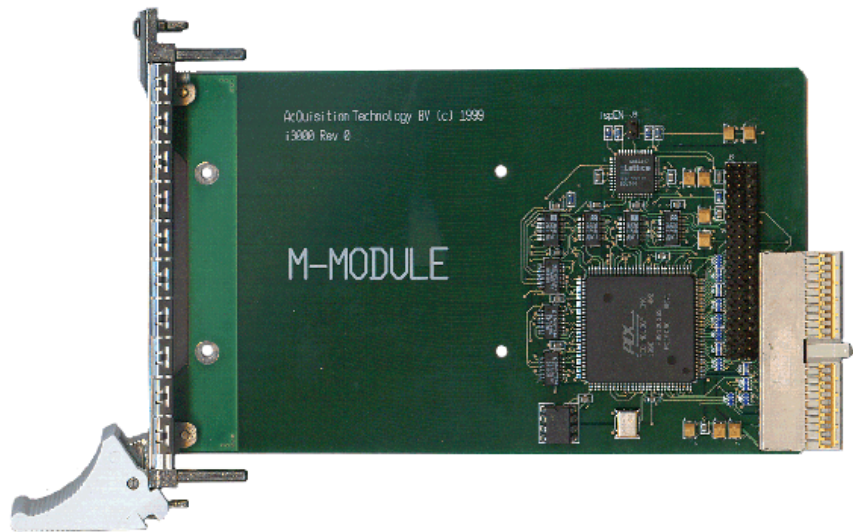# i3000

M-module Carrier for CompactPCI (3U)

The i3000 M-module Carrier for CompactPCI features a 3U form factor CompactPCI gateway to the M-module interface. One M-module mounting socket is provided by this carrier. This carrier can be used in temperatures from -40°/+85°C. The M-module interface of the i3000 complies to the M-module Specification ANSI/VITA 12-1996. The interface features A8, A24, D16 and D32 access types.

The CompactPCI interface is PCI Specification 2.1 compliant, slave only. The CompactPCI to M-module bridge is implemented using the PCI9050 PCI Bus Target Interface Chip, by PLX Technology, Inc.

Features:

> PCI Specification 2.1 Compliant Target Interface
> M-module interface runs asynchronously to the CompactPCI Clock
> Supports big/little endian conversion
> One M-module interface (A08/A24, D16/D32)
> Configurable for memory-mapped and I/O - mapped operation

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M-module Compliancy

* 3-row M-module support
* 2-row M-module support
* A08/A24, D16/D32 address/data width
* INTA Interrupts supported

PCI Compliancy

* PCI spec 2.1 compliant Target Interface
* M-module interface runs asynchronously to the PCI clock
* Supports big/little endian byte conversion
* Configurable for use in memory and I/O space

Controller / Connections

Controller:
* The PCI9050 by PLX ensures PCI 2.1 compliant operation

Connections:
* IEC1076-4-101 J1 connector to CompactPCI bus
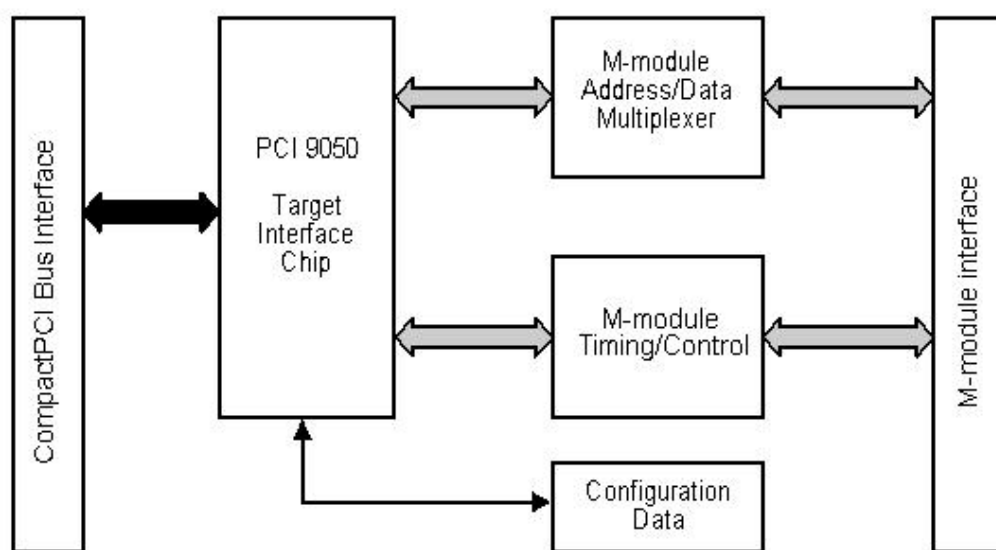* M-module interface connector

Environmental

* Temperature range from -40°/+85°C

Board Support

* APIS platform support for DOS, Linux/i386 2.2 and 2.4 kernel, QNX, Windows 95/98/2000/XP, Solaris 8/SPARC
* Other platforms on request

Ordering Information

* **i3000/T01** M-module carrier
* **i3000/T02** M-moudle carrier, extended temperature
* **i3000/SW** APIS based software
* **i3000/MAN** manual on paper
* **i3000/DSUB** D-sub front

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i3000_v5_ds

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