

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*



150 DuBois St. Suite C Santa Cruz CA 95060 ph 831.457.8891 fx 831.457.4793 est 1988

PMC-ExtendIO-II

Connect a PMC to a host slot with a flexible cable interface



PMC-ExtendIO-II provides a 32/33 - 64/66 extension between a PMC and Host. Any combination of PMC PCI bus speed and data width can be accomodated. With 66 MHz implementations cable lengths may be restricted compared to 33 MHz usage.

Two similar PC boards are provided to mount to the host and PMC. The boards are interconnected with flex cables and a separate power cable. The flex cables provide a flexible interface which allows the PMC to be relocated conveniently. The PC boards have been minimized to allow maximum access to the hardware on the host and the PMC for debugging purposes. The standard mounting holes are provided along with universal voltage keying to allow the PMC-ExtendIO to be used in any situation.

The PCI signals are terminated with series resistors on the A/D lines and Schottky diodes on the control signals. The flex cable signals are interspersed with grounds. The clock is buffered with a "zero delay" PLL. +12, -12, 5V, 3.3V and Ground are interconnected with the power cable because the FLEX does not have sufficient current carrying capabilities. The host side board requires 5V and ground to operate the zero delay buffer. No other power is required by the PMC-ExtendIO.

To operate: simply "plug and play". Install the board marked "Plugs into Host" into the carrier side and the

board marked "Plugs into PMC" into your PMC. There are 5 cables. The 4 flex cables are mounted to the matching flex cable sockets. The board is designed to provide direct [non-twisted] interconnects when the boards are aligned. The fifth cable is for power. The cable is keyed for ease of use.



PMC-Extendio shown interconnecting the cPCI2PMC and the PMC-Parallel-TTL

PMC-ExtendIO II Features

- **Size** — minimized "PMC" card.
- **Clocks** — Zero Delay buffered PCI clock signal. 33 and 66 MHz PCI reference supported.
- **PMC / PCI Bus Width** — 32 and 64 bit operation supported
- **Pn4** — The "user IO" connector Pn4 is routed through the PMC-ExtendIO II.
- **Cable interface** — 4 Flex cables are utilized for PCI and User IO interconnection. Power is routed via a separate cable assembly. 2 4" flex cables and 2 6" flex cables are provided. 12" cable sets are also available
- **JTAG** — The PMC JTAG pins are connected to a header on the PMC side board. The JTAG header is marked with TCK, TDO, TDI, TMS, TRST, 5V and GND. The header can be used to program devices or as part of your test strategy. The JTAG connector is not installed at the factory as many users do not want this feature. If you want it installed prior to shipment please order with -JTAG option.
- **Interrupts** — The PMC interrupts are routed through to the host.
- **Power Requirement** — +5V internally, +5V, +12V, -12V, +3.3V current determined by PMC attached. All voltages are provided with filter capacitors.
- **Signal Conditioning** — Schottky diodes are used to clamp the PCI control signals and series terminations are used to condition the A/D bus.
- **STEP** — STEP files are available to support your system integration. Please contact sales@dyneng.com for this option.

PMC-ExtendIO II Benefits

- **Speed** — The design of the PMC-ExtendIO II is passive - no delays are added to the PMC access. Maximum speed of operation is retained with the PMC-ExtendIO II.
- **Price** — The PMC-ExtendIO II can prove to be an indispensable tool at a nominal cost.

- **Ease of Use** — Plug and play interface - plug in the hardware and operate. No software to install. Boards are marked with location of installation.
- **Availability** — We keep the PMC-ExtendIO is in stock. Send in your order, and in most cases have your hardware the next day.
- **Size** — The PMC-ExtendIO is a minimized PMC board. The mounting holes and connector locations are retained. The rest of the card is minimized to provide maximum exposure of components on the PMC and Host boards.
- **PMC Compatibility** — The PMC-ExtendIO II is a special purpose card and is not PCI compliant. The PMC-ExtendIO II has features to minimize the effects of the longer cable interface to allow proper operation of the PMC isolated from the host card. The PMC-ExtendIO II is the third in a series of cable interconnected PCI boards by Dynamic Engineering. [PMC-ExtendIO, PMC-Linecard, and PMC-ExtendIO II]. All of the designs are successful, providing maximum flexibility without sacrificing signal integrity.

Order information:

PMC-ExtendIO-II.....board and cable set...standard product
PMC-ExtendIO-II-12 .....board and 12" cable sets...standard product
PMC-ExtendIO-cable-12 .....add on 12" cable sets...standard product (4ea)
PMC-ExtendIO-II-DM .....board and 2 cable set special order

Please select cable length
PMC-ExtendIO (4&6" cable set)
Quantity 1
Add to Cart View Cart

For Dual Master situations - interconnect two host side devices.
Two host side boards and cables supplied. One with the clock driver circuit altered to receive a clock.
Used for PMC Processor applications where the PMC becomes the bus and clock master.

Dynamic Engineering's Hardware and Software design overview

Try before you buy program

Custom, IP, PMC, XMC, PCIe, PCI, cPCI, PC104p, PCIe104, VME, VPX Hardware, Software designed to your requirements

IndustryPack | PMC | cPCI | PCI | PCIe | PC/104p | VME | VPX | Custom

Home | **News** | **Search the Dynamic Engineering Site**

Click on the envelope to request more information about any of Dynamic Engineering's proprietary products. You many also write to us at sales@dyneng.com
All brand or product names and logos are trademarks or registered trademarks of their respective holders.
Prices are subject to change without notice.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP