

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.

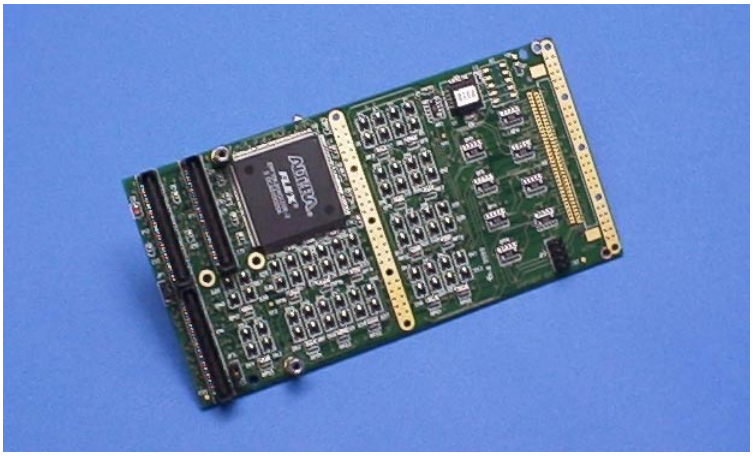
Find the *Kontron / Thales PMC-PIO-I* at our website: *Click HERE*

THALES
COMPUTERS

PMCPIO-I
PMCPIO-R
PMCPIO-M

64-Channel Parallel I/O PMC

- 16 Bits Available with Interrupt on Change
- Edge Triggered Configurable for Either Rising or Falling Edge
- Industrial (-I), Rugged (-R), and Conduction-Cooled (-M) Versions Available



The PMC-PIO is a PMC interface card providing 64 channels of 3.3V (5V-compatible) parallel I/O. Each channel is independently programmed as an input or output channel. The default state of the board at power up is 64 input channels. Available in industrial, rugged, and conduction-cooled versions, the PMC-PIO resides on a 33 MHz, 32-bit, 3.3V or 5V PCI bus.

The PMC-PIO can function as a test card for a PMC site or as a standard PMC I/O board. When it is in test mode, the user can toggle each of the PCI interrupt pins by writing to a four-bit register. During normal operation, the board uses INTA# when generating an interrupt. The PMC-PIO may be programmed to generate an interrupt based on a level or edge on I/O channels 1-16.

The conduction-cooled version of the PMC-PIO routes the I/O to the PMC J4 connector. On the convection-cooled versions, the I/O is routed to a 68-pin front-panel connector.

PCI Interface

The PMC-PIO board interfaces to the PCI bus via standard P1 and P2 PMC connectors, and the PCI signals meet the requirements for PCI specification 2.1.

User I/O

The user I/O consists of 64 bi-directional signals that are both CMOS and TTL compatible. All signals provide diode protection for over-voltage conditions and pull-up resistors to 3.3V.

Parallel I/O

The PMC-PIO board supports 64 bits of parallel I/O, which are configurable as input or output, based on setting the proper bit in the I/O direction register.

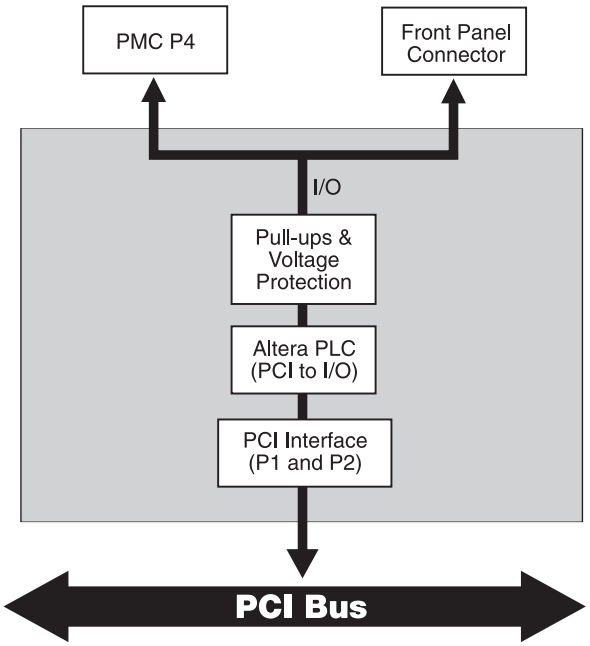
The bi-directional I/O signals are both TTL and CMOS compatible. All signals have voltage protection and pull-up resistors provided on the PMC-PIO board.

Sixty-four channels of digital I/O are routed to the P4 connector by default. If 64 I/O signals are not required, PMC P4 pins 1 and 63 may be routed to ground. This change may be made using configuration jumpers.

16 bits of the I/O, when configured as input, are available to generate an interrupt on change of state. The change of state is edge-triggered and can be configured for rising or falling edge activation.

USA Headquarters ▼ 1203 New Hope Road ▼ Raleigh, NC 27610 ▼ (800) 848-2330 ▼ FAX (919) 231-8001

PMCPIO Block Diagram



Specifications

Standard Compliance	IEEE-1386.1 PCI Mezzanine Card (PMC); Conduction-Cooled PCI Mezzanine Card (CCPMC) VITA20-199x, Draft; PCI SIG PCI Local Bus Specification, Rev. 2.1; MIL-STD-810E method 514.3, category 6 and method 516.2, procedure 1
PCI Interface	32-bit, 33 MHz, 3.3V or 5V
Power Requirements	+3.3V @ TBD Amps
Relative Humidity	0 to 95%, noncondensing
Storage Temperature	-55° to +85°C
Operating Temperature:	
PMCPIO-I (Industrial)	0° to +70°C
PMCPIO-R (Rugged)	-40° to +85°C
PMCPIO-M (Militarized)	-40° to +85°C

Rev000724

Ordering Information

PMCPIO -

I/O
- Front Panel* ..... **F**
- Rear ..... **R**

Environmental Class
- Industrial ..... **I**
- Rugged ..... **R**
- Militarized (Conduction-Cooled) .... **M**

*Front panel I/O is available for Industrial and Rugged versions only.

Specifications 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