



The PCI-PIO is a PCI-compatible half-card which provides digital input/outputs and counter/timers. There are 48 TTL-compatible programmable digital input/outputs available from the board. If the controlling devices are used in handshake mode, the handshake lines are available as interrupt sources.

There are also three programmable counter/timers, the enable and clock inputs being available externally, if required. The outputs are accessible externally or as interrupt sources. A 4MHz crystal oscillator is available on board to allow the counter/timers to act as accurate timebases. All input/output lines are available at an industry standard 50 way D-type plug connector. One PCI interrupt line may be selectively driven by the seven interrupt sources on the board, the interrupting source being readily identified by the board.

Options



1 metre cable with IDC and D type connector (P/N 1371 0071)



50 way screw terminal adapter (P/N 1981-0004)



Windows® 98/2000, NT® and XP® drivers

Key Features

8255 compatible, inputs & outputs

3 on-board 16 bit Counter Timers (8254 compatible)

Facility to fit pull up/down resistors on inputs

Supplied with demonstration software examples

Fully Universal PCI and Plug -and-play compliant (compatible with 3.3V and 5V buses)

Technical Specification

Number Of I/O Channels	48 arranged as 2 x 3 x 8 I/O bits
Signal Levels	5 Volt TTL Logic Levels
Outputs	Logic Low Level: 0 Volts (min.) - 0.4 Volts (max.) @ IOL = 2.5mA Logic High Level: 3.5 Volts (min.) - 5 Volts (max.) @ IOH = -400mA
Drive Current	2.5 mA. (Logic Low) Vout = 0.4 Volts, -400 µA (Logic High) Vout = 3.5 Volts
Input Loading	-10 µA (Logic Low), +10 µA (Logic High)
Counters/Timers	3 x 16 Bit. Counter/timers 0,1 and 2 may be cascaded to provide a single 48 bit Counter/timer. All Counter/timers may be clocked externally at a maximum rate of 4 Mhz.
Onboard Oscillator	Frequency 4MHz. Stability ± 100ppm 0 - 70°C
Interrupt Sources	Register selectable to 3 Counter/timer outputs, and 4 PIO handshake control lines.
Interrupt Levels Supported	All PCI interrupts
Address Overhead	16 contiguous addresses in 16 byte block
Board Power Requirement	+3.3 Volts, 0.5 W maximum, +5 Volts, 0.6 W maximum
Signal Connections	1 x 50 way male 'D-type' plug
Dimensions	125 (L) x 91 (H) board only, 135 (L) x 122 (H) x 22 (W) including bracket



INVESTOR IN PEOPLE



BS EN ISO 9001:2000
Certificate No FM 33069

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Interface Development Tools](#) category:

Click to view products by [Blue Chip Technology](#) manufacturer:

Other Similar products are found below :

[CY4607M](#) [PEX 8748-CA RDK](#) [DP130SSEVM](#) [ISO3086TEVM-436](#) [SP338EER1-0A-EB](#) [ADM00276](#) [ADP5585CP-EVALZ](#) [PEX8724-CA RDK](#) [PEX 8732-CA RDK](#) [PEX8747-CA RDK](#) [AS8650-DB](#) [MLX80104 TESTINTERFACE](#) [I2C-CPEV/NOPB](#) [ISO35TEVM-434](#) [KIT33978EKEVB](#) [416100120-3](#) [XR17D158CV-0A-EVB](#) [XR17V358/SP339-E4-EB](#) [XR17V358/SP339-E8-EB](#) [XR18910ILEVB](#) [XR22804IL56-0A-EB](#) [ZSC31050KIT V3.1](#) [ZSC31150KIT V1.2](#) [SCRUBBER-EVM](#) [SI838XISO-KIT](#) [73931-3022](#) [XIO2200AEVM](#) [XIB-E](#) [XBIB-U-SP](#) [TW-DONGLE-USB](#) [EVAL-ADM2483EBZ](#) [EVAL-ADM2491EEBZ](#) [ATUSB-PCB-80146](#) [EVB-USB83340](#) [MAX9921EVKIT](#) [MAXREFDES23DB#](#) [MAX9291COAXEVKIT#](#) [MAX9286COAXEVKIT#](#) [MAX3535EEVKIT+](#) [MAX3223EEVKIT+](#) [MAX3100EVKIT](#) [MAX13235EEVKIT](#) [MAX14970EVKIT#](#) [MAX14826EVKIT#](#) [3298](#) [XR21B1424IV64-0A-EVB](#) [XR21B1421IL24-0A-EVB](#) [XTIB-U](#) [XR17D152CM-0A-EVB](#) [XR22802IL56-0A-EB](#)