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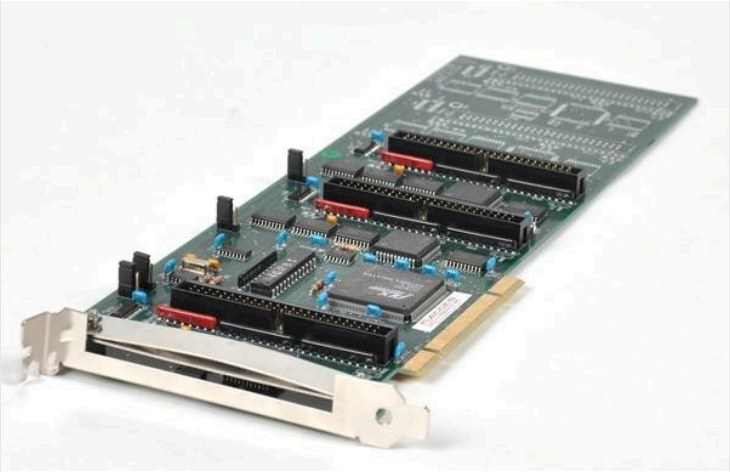
Data Sheet
August 15, 2026

ACCES

Acces PCI-DIO-72 Digital Input / Output Module

Acces Digital Input Board. Voltage / Current Range: +5V supply, 32 mA source / 64 mA sink per line, Channels: 72, Voltage: +5 VDC available to user.



MODEL Acces PCI-DIO-72	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU PCI-DIO-72	LISTING https://aumictechlabs.com/products/pci-dio-72-2/

NIST-traceable cal · SAM registered · 30-day returns · NAICS 423690 · 811210 · 541380

This unit

The Acces PCI-DIO-72 is a 72-channel digital input/output module for PCI bus systems, delivering flexible interfacing for industrial automation, data acquisition, and control applications. Built on programmable peripheral interface (PPI) architecture using 8255-5 chips, the module provides individually buffered I/O lines with 32 mA sourcing and 64 mA sinking capability per channel. Port configuration - two 8-bit ports (A, B) and two 4-bit ports (C_high, C_low) per PPI group - is software-selectable as input or output latches.Output buffers feature 10 kΩ pull-up resistors to +5 VDC. The card occupies 16 bytes of I/O address space with system-assigned base addressing and requires no manual jumper configuration.Technical Specifications Interface: PCI Bus Digital I/O Channels: 72 Current Drive: 32 mA source / 64 mA sink per I/O line Programmable Peripheral Interface Chips: 8255-5 Port Configuration: Two 8-bit ports (A, B) and two 4-bit ports (C_high, C_low) per PPI; all ports independently configurable as input or output latches Group C Nibble Control: Each 4-bit group independently selectable as input or output Output Pull-up Resistors: 10 kΩ to +5 VDC I/O Address Space: 16 bytes Supply Voltage: +5 VDC available to user Logic Level

Support: 5 V, 3.3 V, 2.5 V, 1.8 V (jumper selectable on compatible models) PCI Compatibility: Universal PCI, PCI-X, 3.3 V and 5 V compatible Card Length: 12.2 inches (310 mm) Connector: 50-pin male header on mounting bracket; ribbon cable compatibleKey Features Automatic operating system detection (Windows 95/98/NT without manual base address or IRQ configuration) Driver and utility support for DOS, Linux, and Windows XP and newer Long PCI slot form factor Each I/O line fully bufferedTypical Applications Industrial automation control systems Data acquisition platforms Sensor and device interfacing Digital signal routing and switchingCompatibility & Integration Automatic plug-and-play detection eliminates manual configuration. The module integrates into standard PCI motherboards and is compatible with industry-standard I/O rack systems.

PCIDIO Characteristics / Specifications

PARAMETER	VALUE
Model	PCI-DIO-72
Instrument Type	72 bit PCI digital I/O card
Digital Bits	72
Port Groups	3 times 24 bit 8255 class ports
Buffer Device	74ABT245B tristate transceiver
Output High	2.0 VDC min, source 32 mA
Output Low	0.55 VDC max, sink 64 mA
Input High	2.0 to 5.0 VDC
Input Low	minus 0.5 to plus 0.8 VDC
Input Load High	20 uA
Input Load Low	minus 200 uA
Connector	50 pin IDC headers
Bus	universal PCI 3.3 V and 5 V compatible
Auxiliary Power	plus 5 VDC resettable 0.5 A fuse from computer bus
Operating Temperature	0 C to 50 C
Storage Temperature	minus 40 C to plus 65.6 C
Humidity	90 percent RH maximum without condensation
Rack Compatibility	Grayhill, Opto 22, Western Reserve Controls, Potter and Brumfield 50 pin racks
Family	ACCES PCI-DIO-48/72/96/120
Manufacturer	ACCES I/O Products
Form Factor	PCI short/long card per 72 bit density
Application Class	high density digital I/O
System Role	PCI digital I/O
Use Case	rack module and terminal panel control
Documentation Type	OEM ACCES PCI-DIO family literature

PARAMETER	VALUE
Ppi Device	8255 class programmable peripheral interface
Pull Ups	to plus 5 VDC until software init
Regulatory	CE compliant class ACCES PCI DIO

General Specifications & Supplementary Characteristics

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Documentation Type	OEM ACCES PCI-DIO family literature
Ppi Device	8255 class programmable peripheral interface
Pull Ups	to plus 5 VDC until software init
Regulatory	CE compliant class ACCES PCI DIO Notes Electrical buffer, fuse, and temperature rows from ACCES PCI-DIO-24D/H specifications shared across the PCI-DIO-48/72/96/120 family. Bit count and header count are the PCI-DIO-72 configuration (72 bits, 3 port groups). Per-card current draw is on the PCI-DIO-72 sheet; do not invent mA.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

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Notes
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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: **sales@aumictech.com** · +1 (484) 841-9341

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