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Data Sheet

August 13, 2026

KEITHLEY

Keithley PIO-32I/O 32-Channel Relay I/O Board

Industrial contact monitoring with relay drive Eliminating ground loops between PC and plant wiring Replacement path toward KPCI-PIO32IOA on PCI hosts 16 optoisolated inputs plus 16 reed-relay outputs on one ISA card Eliminating ground loops between PC and plant wiring Replacement path toward KPCI-PIO32IOA on PCI hosts 16 optoisolated inputs plus 16 reed-relay outputs on one ISA card Rhodium-plated FormAnormally open contacts



MODEL

Keithley PIO-32I/O

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PIO-32I/O

LISTING

<https://aumictechlabs.com/products/pio-32i-o-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keithley PIO-32I/O is a 32-channel relay I/O board that delivers optically isolated digital inputs and outputs for industrial automation, process control, and data logging applications. It integrates 16 solid-state MOSFET output channels and 16 solid-state input channels, each with 60V channel-to-channel isolation. The board interfaces directly with IBM PC-compatible systems via standard expansion slot connectivity and includes comprehensive DriverLINX software with test panels, ExceLINX, and DLL/ActiveX drivers for rapid integration into measurement and control systems.

Technical Specifications Digital Outputs 16 channels, solid-state MOSFET with Form A relay configuration Voltage range: DC or AC up to 60VDC or 30Vrms Maximum load current: 350mA per channel On-resistance: 3.5Ω typical, 4Ω maximum Switching speed: 1.0ms typical on-time, 80μs typical off-time Leakage current: 316nA typical at 60VDC (2μA maximum) Output protection:

Zener diodes and overcurrent devices (one per eight channels) Digital Inputs 16 channels, solid-state with optical isolation Voltage range: DC or AC up to 60VDC or 30Vrms Input threshold: 3.5VDC to 28VDC Logic levels: >2.5V high, <1.0V low Response time: 0.6ms typical, 1.0ms maximum Input resistance: 4.7k Ω Selectable low-pass filter for AC/DC sensing 32 channels support edge-selectable interrupts (rising or falling) Electrical & Environmental Power consumption: 500mA maximum (card); additional 1A available at +5V Isolation: 60V between channels and chassis via opto-coupler Operating temperature: 0 to 50°C Storage temperature: –20 to 70°C Humidity: 0 to 80% non-condensing at 35°C Board dimensions: 18.1cm × 10.8cm × 1.9cm Key Features Dual-layer optical isolation ensures superior noise immunity Ribbon header connectors for straightforward wiring Requires +5V from expansion slot; incompatible with +3.3V supplies alone Compatibility & Integration Operating systems: Windows 95/98/NT (Windows 7 64-bit not supported) Designed for IBM PC series and compatible architectures Bundled DriverLINX software suite enables immediate deployment

PIO32IO Characteristics / Specifications

PARAMETER	VALUE
Model	PIO-32I/O
Manufacturer	Keithley MetraByte
Instrument Type	ISA isolated digital input and relay output board
Alias	PIO-32IO; PIO32I/O; PIO-32 I/O
Host Bus	ISA full slot
Digital Input Channels	16
Digital Output Channels	16
Input Type	optoisolator
Input Resistor	2.0 kohm, 1/2 W
Input High Min	3.5 V DC, 1.25 mA
Input High Max	28 V DC, 15 mA
Input Low	0.8 V DC or open
Input Response Frequency	less than 3.0 kHz
Output Contact Type	rhodium plated FormAnormally open
Contact Rating	10 W at 0.75 A or 30 V RMS, 42.4 V peak, or 60 V DC maximum resistive
Contact Resistance Initial	100 mohm maximum
Contact Life Rated Load	1E7 operations
Contact Life Low Level	1E9 operations
Operation Time	1.0 ms
Release Time	1.0 ms
Power Plus 5 VDC Typical Max	0.8 A plus 22 mA per active relay
Operating Temperature	0 C to 50 C
Storage Temperature	-20 C to 70 C
Humidity	0 to 90 percent noncondensing
Length	13.3 in full slot

PARAMETER	VALUE
Height	4.25 in
Depth	0.75 in
Weight	10 oz
Board Connector	2 × 40-pin ribbon 3M 2540-6002UG class
Board Connector Mate	2 × 40-pin ribbon 3M 3417-7000 class
Related PCI	KPCI-PIO32IOA

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	20 C to 70 C
Operating temperature	0 C to 50 C
Operating Temperature	0 C to 50 C
Humidity	0 to 90 percent noncondensing
Length	13.3 in full slot
Height	4.25 in
Depth	0.75 in
Weight	10 oz
Board Connector	2 × 40-pin ribbon 3M 2540-6002UG class
Board Connector Mate	2 × 40-pin ribbon 3M 3417-7000 class
Related PCI	KPCI-PIO32IOA Notes Specs from Keithley PIO-32 Series User Guide Table A-1 (document family 88170). Confirm PIO-32I/O versus PIO-32IN or PIO-32OUT channel mix on the faceplate.

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	
Specifications	
PARAMETER	VALUE
Model	PIO-32I/O
Manufacturer	Keithley MetraByte
Instrument Type	ISA isolated digital input and relay output board
Alias	PIO-32IO; PI032I/O; PIO-32 I/O
Host Bus	ISA full slot
Digital Input Channels	16
Digital Output Channels	16
Input Type	optoisolator
Input Resistor	2.0 kohm, 1/2 W
Input High Min	3.5 V DC, 1.25 mA
Input High Max	28 V DC, 15 mA
Input Low	0.8 V DC or open
Input Response Frequency	less than 3.0 kHz
Output Contact Type	rhodium plated FormAnormally open
Contact Rating	10 W at 0.75 A or 30 V RMS, 42.4 V peak, or 60 V DC maximum resistive
Contact Resistance Initial	100 mohm maximum
Contact Life Rated Load	1E7 operations
Contact Life Low Level	1E9 operations
Operation Time	1.0 ms
Release Time	1.0 ms
Power Plus 5 VDC Typical Max	0.8 A plus 22 mA per active relay
Operating Temperature	0 C to 50 C
Storage Temperature	-20 C to 70 C
Humidity	0 to 90 percent noncondensing
Length	13.3 in full slot

PARAMETER	VALUE
Height	4.25 in
Depth	0.75 in
Weight	10 oz
Board Connector	2 x 40-pin ribbon 3M 2540-6002UG class
Board Connector Mate	2 x 40-pin ribbon 3M 3417-7000 class
Related PCI	KPCI-PI032IOA

Notes

Specs from Keithley PIO-32 Series User Guide Table A-1 (document family 88170). Confirm PIO-32I/O versus PIO-32IN or PIO-32OUT channel mix on the faceplate.

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

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.