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Data Sheet

August 13, 2026

KEITHLEY

Keithley PIO-32OUT 32-Channel Relay Output Board

Applications High channel-count relay control from ISA PCs Driving lamps, small loads, and contact closures within reed ratings ATE fixture switching where opto inputs are not needed Migration path to PCI isolated relay boards in the same family Key Features 32 FormA reed-relay outputs Rhodium-plated contacts with 1.0 ms operate and release Full-slot ISA form factor with dual 40-pin headers Output port readback Sister of PIO-32I/O (16/16) and PIO-32IN (32 in) Technical Specifications Model: PIO-32OUT Manufacturer: Keithley MetraByte Instrument Type: ISA 32 channel relay output board Alias: PIO32OUT; PIO-32 OUT Host Bus: ISA full slot Digital Input Channels: 0 Digital Output Channels: 32 Output Contact Type: rhodium plated FormA normally open Contact Rating: 10 W at 0.75 A or 30 V RMS, 42.



MODEL

Keithley PIO-32OUT

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PIO-32OUT

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keithley PIO-32OUT is a 32-channel relay output board for IBM PC and compatible computers, providing switched control of external devices through individual reed relay channels. Each channel delivers up to 10 W switching capacity with 0.75 A maximum current and handles voltages to 30 V RMS, 42.4 V peak, or 60 V DC. The board installs in a standard ISA expansion

slot and operates via DriverLINX software, supporting Windows 95/98/NT on Pentium-class processors. Channel-to-channel isolation and Form A reed relay contacts enable flexible integration into industrial control, automated testing, and data acquisition systems.

Technical Specifications

- 32 isolated relay output channels
- Reed relay contacts (Form A)
- Maximum switching power: 10 W per channel
- Maximum current: 0.75 A per channel
- Voltage rating: 30 V RMS, 42.4 V peak, or 60 V DC maximum
- ISA bus interface
- Requires one expansion slot
- On-board ribbon header connections

Key Features

- Channel-to-channel isolation for independent switching control
- Reed relay construction for reliable switching of resistive loads
- TTL-compatible input signal interface with inverted logic
- Supports wide voltage range beyond standard digital logic levels
- Compatible with Installation Categories I and II per IEC 60664

Software & Integration

Supplied with DriverLINX configuration software enabling custom application development in Visual C/C++, Visual Basic, or Delphi. Operates under Windows 95, 98, and NT on Pentium-class processors or compatible microprocessors.

Typical Applications

- Industrial equipment control and switching
- Automated test system relay matrix switching
- Data acquisition system relay interfacing
- Process automation and device actuation

PIO32OUT Characteristics / Specifications

PARAMETER	VALUE
Model	PIO-32OUT
Manufacturer	Keithley MetraByte
Instrument Type	ISA 32 channel relay output board
Alias	PIO32OUT; PIO-32 OUT
Host Bus	ISA full slot
Digital Input Channels	0
Digital Output Channels	32
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	1.0 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
Height	4.25 in
Depth	0.75 in
Weight	12 oz
Board Connector	2 × 40-pin ribbon 3M 2540-6002UG class
Board Connector Mate	2 × 40-pin ribbon 3M 3417-7000 class
Header Use	J1 and J2 for channels 0 to 31

PARAMETER	VALUE
Input Type	N/A this model
Related Mix Board	PIO-32I/O 16 in 16 out
Related Input Board	PIO-32IN 32 in
Related PCI	KPCI-PIO32IOA isolated I/O

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	20 C to 70 C
Operating temperature	0 C to 50 C
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Humidity	0 to 90 percent noncondensing
Length	13.3 in full slot
Height	4.25 in
Depth	0.75 in
Weight	12 oz
Board Connector	2 × 40-pin ribbon 3M 2540-6002UG class
Board Connector Mate	2 × 40-pin ribbon 3M 3417-7000 class
Header Use	J1 and J2 for channels 0 to 31
Input Type	N/A this model
Related Mix Board	PIO-32I/O 16 in 16 out
Related Input Board	PIO-32IN 32 in
Related PCI	KPCI-PIO32IOA isolated I/O Notes Specs from Keithley PIO-32 Series User Guide Table A-1. Confirm PIO-32OUT (outputs only) versus PIO-32I/O. Stay within reed contact wattage and voltage ratings.

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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PARAMETER	VALUE
Model	PIO-32OUT
Manufacturer	Keithley MetraByte
Instrument Type	ISA 32 channel relay output board
Alias	PI032OUT; PIO-32 OUT
Host Bus	ISA full slot
Digital Input Channels	0
Digital Output Channels	32
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	1.0 A plus 22 mA per active relay
Operating Temperature	0 C to 50 C
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PARAMETER	VALUE
Input Type	N/A this model
Related Mix Board	PIO-32I/O 16 in 16 out
Related Input Board	PIO-32IN 32 in
Related PCI	KPCI-PI032IOA isolated I/O

Notes
Specs from Keithley PIO-32 Series User Guide Table A-1. Confirm PIO-32OUT (outputs only) versus PIO-32I/O. Stay within reed contact wattage and voltage ratings.

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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.