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Data Sheet

August 13, 2026

KEITHLEY

Keithley KPCI-3160 Parallel Digital I/O Board

The Keithley KPCI-3160 is a PCI-based parallel digital I/O board delivering 96 TTL-level digital I/O lines organized into four 24-bit groups for data acquisition, process control, prototyping, and parallel communications. Each 24-bit group subdivides into three independent 8-bit ports (PA, PB, PC), with the PC port further subdividable into two 4-bit half ports. All ports configure independently as inputs or outputs via software control and default to input mode on power-up or reset. The board's high-current driver outputs sink 64 mA and source 15 mA, enabling direct control of relays, LEDs, and solid-state I/O modules without additional interface circuitry. PA, PB, and PC ports remain readable and writable at all times without affecting external signal levels. External interrupt capability on pins 24 and 25 supports external clocking and latching of digital I/O data. Direct relay, LED,



MODEL

Keithley KPCI-3160

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

KPCI-3160

LISTING

<https://aumictechlabs.com/products/kpci-3160-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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KPCI3160 Characteristics / Specifications

PARAMETER	VALUE
Model	KPCI-3160
Manufacturer	Keithley Instruments
Instrument Type	PCI 96 bit parallel digital I/O board
Alias	KPCI3160; KPCI 3160
Host Bus	PCI (32 bit; Plug and Play class)
Digital Lines	96 TTL compatible
Emulated PPI Count	four 8255 chips Mode 0
Ports Per Group	PA byte, PB byte, PC byte or two 4 bit halves
Source Current	15 mA (IOH)
Sink Current	64 mA (IOL)
Input High Voltage Min	2.0 V
Input Low Voltage Max	0.8 V
Input High Current	plus/minus 1 uA max at VIN 2.7 V
Input Low Current	plus/minus 1 uA max at VIN 0.5 V
Output High At 8 mA	2.4 V min typical class
Output High At 15 mA	2.0 V min
Output Low At 64 mA	0.55 V max; 0.3 V typical
Connector	100 pin mini-D
Adapter Accessory	CONN-3160-D1 (four 50 pin connectors)
Cable	CAB-1800; CAB-1800/S shielded
External Plus 5 V On Connector	1.0 A max class per supply pins
Port Group Source Example	PortAeight lines at 15 mA equals 120 mA
Related Boards	KPCI-PIO96; PIO-96J
Software	DriverLINX; LabVIEW / TestPoint class support
Host OS Class	Windows 95/98/NT 4.0 or higher

PARAMETER	VALUE
CPU Class	Pentium or higher with PCI 2.1
Form	PCI plug-in board
Digital Function	communicate with peripherals, operate relays, read switches

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
Specs from Keithley KPCI-3160 User's Manual Table A (logic I/O) and product overview. Confirm CONN-3160-D1 / CAB-1800 when reusing PIO-96 accessories. Do not confuse with KPCI-PIO24 (24 lines, 37-pin).

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.