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Data Sheet

August 13, 2026

KEITHLEY

Keithley KPCI-488A GPIB Interface Card for PCI Bus

Applications High-throughput GPIB ATE PCI instrument control of 14-device buses NI-488.2 application migration LabVIEW / CVI / VisualCGPIB Key Features 1.5 MB/s GPIB with 1 KB FIFO NI and Keithley command-compatible APIs VISA support 14 instruments / 20 m Path to KPCI-488LPA for low-profile 3.3 V PCs Technical Specifications Model: KPCI-488A Manufacturer: Keithley Instruments Instrument Type: PCI IEEE-488.2 GPIB controller Alias: KPCI-488A; KPCI488A Host Bus: PCI 32 bit Bus Standard: IEEE-488.2 Max Instruments: 14 Max Cable Distance: 20 m Transfer Rate: up to 1.5 MB/s FIFO: 1 KB onboard Driver Compatibility: Keithley command compatible; NI command compatible VISA: supported Related Predecessor: KPCI-488 Related Low Profile: KPCI-488LPA (3.3 V and 5 V PCI) Related USB: KUSB-488B (USB 2.0, 1.



MODEL

Keithley KPCI-488A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

KPCI-488A

LISTING

<https://aumictechlabs.com/products/kpci-488a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keithley KPCI-488A is a PCI bus GPIB interface card that enables host computers to communicate with GPIB-compatible instruments and devices. It functions as both a talk/listen device and system controller, managing up to 14 instruments across distances of 20 meters. The

card transfers data at rates up to 1 Mbyte/s (1.5 Mbyte/s for the KPCI-488LPA variant) and operates in compliance with IEEE-488.2 standards. Built-in utility software, diagnostic tools, and command-compatible drivers streamline integration into automated test systems, data acquisition setups, and instrument control applications. Technical Specifications Interface: PCI Bus (standard and low-profile form factors) GPIB Standard: IEEE-488.2 compatible Data Transfer Rate: Up to 1 Mbyte/s; up to 1.5 Mbyte/s (KPCI-488LPA) Maximum Instruments Controlled: 14 GPIB instruments or devices Maximum Cable Distance: 20 meters On-board FIFO Buffer: 1 KB (KPCI-488LPA) Power Supply: +5 V DC @ 350 mA typical; 400 mA typical / 750 mA maximum (KPCI-488LPA) Operating Temperature: 0°C to 55°C Operating Humidity: 10% to 90% relative humidity (non-condensing) Storage Temperature: -20°C to 80°C Storage Humidity: 5% to 95% relative humidity (non-condensing) Dimensions (KPCI-488LPA): 4.7 inches × 2.5 inches (120 mm × 64.5 mm) Key Features Supports both 3.3 V and 5 V PCI environments (KPCI-488LPA) CE compliant; European Directive 2004/108/EEC EMC compliant (KPCI-488LPA) Included diagnostic tools for system testing and validation 16- and 32-bit dynamic link libraries for Windows environments Typical Applications Automated test systems, data acquisition setups, and instrument control configurations requiring multi-device GPIB coordination. Compatibility & Integration Drivers available for Windows XP/Me/2000/NT/98/95/3.X; Windows 7/Vista/XP/2000 (KPCI-488LPA). Supports LabVIEW, LabWindows/CVI, TestPoint, Visual Basic, Visual C++, HP VEE, C/C++, FORTRAN, and other standard programming environments. Command-compatible with National Instruments and Capital Equipment Corporation libraries. Fully compatible with Keithley 2000/2400/2700/6500/7000 series instruments and any standard GPIB device.

KPCI488A Characteristics / Specifications

PARAMETER	VALUE
Model	KPCI-488A
Manufacturer	Keithley Instruments
Instrument Type	PCI IEEE-488.2 GPIB controller
Alias	KPCI-488A; KPCI488A
Host Bus	PCI 32 bit
Bus Standard	IEEE-488.2
Max Instruments	14
Max Cable Distance	20 m
Transfer Rate	up to 1.5 MB/s
FIFO	1 KB onboard
Driver Compatibility	Keithley command compatible; NI command compatible
VISA	supported
Related Predecessor	KPCI-488
Related Low Profile	KPCI-488LPA (3.3 V and 5 V PCI)
Related USB	KUSB-488B (USB 2.0, 1.5 MB/s, 2 m built-in cable)
Connector	IEEE-488 24 pin
Form	PCI card
Plug And Play	PCI enumeration
Controller Role	system controller
Talker Listener	yes
OS Class	Windows 2000/XP/Vista/7 family (LPA datasheet)
Diagnostic	Keithley GPIB configuration utility / diagnostic tool family Notes Specs from Keithley KPCI-488LPA / IEEE-488 interface datasheet family (1.5 MB/s, 14 devices, 20 m, NI-compatible drivers). Confirm KPCI-488A versus LPA low-profile 3.3 V before installing in a modern PCI slot.

KPCI488A Specifications

PARAMETER	VALUE
Key Features	1.5 MB/s GPIB with 1 KB FIFO
VISA support	14 instruments / 20 m
Technical Specifications	Model: KPCI-488A

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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Host Bus	PCI 32 bit
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PARAMETER	VALUE
FIFO	1 KB onboard
Driver Compatibility	Keithley command compatible; NI command compatible
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Specifications	
PARAMETER	VALUE
Related Predecessor	KPCI-488
Related Low Profile	KPCI-488LPA (3.3 V and 5 V PCI)
Related USB	KUSB-488B (USB 2.0, 1.5 MB/s, 2 m built-in cable)

Specifications

PARAMETER	VALUE
Connector	IEEE-488 24 pin
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PARAMETER	VALUE
Controller Role	system controller
Talker Listener	yes
OS Class	Windows 2000/XP/Vista/7 family (LPA datasheet)

Diagnostic: Keithley GPIB configuration utility / diagnostic tool family

Notes

Specs from Keithley KPCI-488LPA / IEEE-488 interface datasheet family (1.5 MB/s, 14 devices, 20 m, NI-compatible drivers). Confirm KPCI-488A versus LPA low-profile 3.3 V before installing inamodern PCI slot.

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