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Data Sheet
August 13, 2026

KEITHLEY

Keithley KPCI-488 GPIB Interface Card for PCI Bus

Applications PCI GPIB instrument control ATE racks of up to 14 IEEE-488 devices Migration from ISA GPIB (KPC-488 / CEC) LabVIEW / C / Visual Basic GPIB Key Features PCI GPIB versus ISA GPIB cards NI/CEC command-compatible driver library Controls 14 devices, 20 m bus Successor KPCI-488A / KPCI-488LPA for 3.3 V and low-profile PCs VISA support on later revisions Technical Specifications Model: KPCI-488 Manufacturer: Keithley Instruments Instrument Type: PCI IEEE-488 GPIB controller Alias: KPCI-488; KPCI488 Host Bus: PCI Bus Standard: IEEE-488.2 Max Instruments: 14 Max Cable Distance: 20 m Transfer Rate Class: up to 1.

MODEL **Keithley KPCI-488**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **KPCI-488**	LISTING **https://aumictechlabs.com/products/kpci-488-2/**

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keithley KPCI-488 is a PCI bus GPIB interface card that enables direct communication between a computer and IEEE 488.2-compliant instruments. It functions as both a talk/listen device and system controller, managing up to 14 GPIB instruments across laboratory and industrial test environments. The card bridges PCI and GPIB protocol layers with an on-board 1 KB FIFO buffer, delivering sustained data transfer rates to 1.5 MB/s. Technical Specifications Bus Interface 32-bit/33 MHz PCI bus compatible Supports 3.3 V and 5 V PCI environments IEEE 488.2 GPIB standard Data Transfer & Buffering Maximum data rate: 1.5 MB/s On-board 1 KB FIFO buffer

reduces speed mismatch between GPIB and PCI buses Instrument Control Operates as talk/listen device or system controller Controls up to 14 GPIB instruments IEEE 488 standard 24-pin connector Maximum cable length: 20 meters total (2 meters recommended between instruments) Physical & Electrical Dimensions: 120 mm × 64.5 mm (excluding connectors) Low-profile plug-in card form factor Power consumption: 250–400 mA @ 5 V DC (typical); maximum 750 mA @ 5 V DC Key Features On-board FIFO buffering optimizes throughput across speed-mismatched buses Dual-voltage PCI support extends compatibility across legacy and modern systems Flexible controller/device mode operation for varied test architectures Extended cable runs to 20 meters support distributed instrument arrays Environmental & Operating Range Operating temperature: 0 °C to 55 °C Storage temperature: −20 °C to 80 °C Relative humidity: 5 % to 95 % non-condensing Compatibility & Integration Operating Systems Windows XP SP3 (32-bit), Windows 2000 SP4+, Windows Vista SP2, Windows 7/8/10 (32- and 64-bit) Software & Drivers Keithley Command Compatible Driver National Instruments Command Compatible Driver VISA, LabVIEW, LabWindows/CVI support Visual Basic and Visual C compatible Includes utility software for setup, diagnostics, and system configuration.

KPCI488 Characteristics / Specifications

PARAMETER	VALUE
Model	KPCI-488
Manufacturer	Keithley Instruments
Instrument Type	PCI IEEE-488 GPIB controller
Alias	KPCI-488; KPCI488
Host Bus	PCI
Bus Standard	IEEE-488.2
Max Instruments	14
Max Cable Distance	20 m
Transfer Rate Class	up to 1.5 MB/s with FIFO/block transfer (488A/LPA class; confirm this board revision)
FIFO	onboard (later revisions 1 KB)
Driver Compatibility	National Instruments and CEC command functions
Software	Windows driver library; VISA on later cards
Related Successor	KPCI-488A
Related Low Profile	KPCI-488LPA (3.3 V and 5 V PCI)
Related USB	KUSB-488B
Connector	IEEE-488 24 pin
Form	PCI card (standard height on KPCI-488)
Plug And Play	PCI enumeration
Controller Role	system controller / CIC family
Talker Listener	yes
SRQ	supported family
Cable Accessory	7007 / 7008 IEEE-488 cables family
Max Controllers	one CIC on the bus class Notes Identity from Keithley IEEE-488 interface datasheet family (KPCI-488 / 488A / 488LPA). Confirm silkscreen KPCI-488 versus KPCI-488A/LPA for 3.3 V slot and transfer-rate FIFO.

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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Specifications

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Talker Listener	yes
SRQ	supported family

Cable Accessory: 7007 / 7008 IEEE-488 cables family

Max Controllers: one CIC on the bus class

Notes

Identity from Keithley IEEE-488 interface datasheet family (KPCI-488 / 488A / 488LPA). Confirm silkscreen KPCI-488 versus KPCI-488A/LPA for 3.3 V slot and transfer-rate FIFO.

Available from Aumictech

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

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