

IEEE-488 (GPIB) Interface Solutions

- PCI and USB bus versions
- IEEE-488.2 compatible for fast data transfer
- Windows® XP/2000/Vista drivers included
- LabVIEW® and LabWindows/CVI support
- Compatible with any standard GPIB instrument

Ordering Information

KPCI-488LPA IEEE-488.2 Interface Board for the PCI Bus

KUSB-488B IEEE-488.2 USB-to-GPIB Interface Adapter for USB Port. Built in 2m (6.6 ft) cable



Keithley's GPIB interface solutions make it easy to add standard IEEE-488.2 bus control to any PC system. These high speed tools can control as many as 14 GPIB instruments or other devices over a distance of up to 20 meters. They are ideal for use with automated test equipment in laboratory and industrial applications.

The Keithley Model **KPCI-488LPA** is a low-profile, GPIB interface plug-in card that is 32-bit/33MHz PCI bus compatible. Its PCI interface supports both 3.3V and 5V PCI environments, making it suitable for most desktop computers and industrial PCs, including the new low-profile desktop systems. This low-cost solution supports Windows XP/2000/Vista, and its driver library is command compatible with National Instruments™ and Capital Equipment Corporation™ command functions.

The Keithley Model **KUSB-488B** USB-to-GPIB interface turns any computer with a USB port into a fully functional GPIB controller. The KUSB-488B's small form factor makes it per-

fect for use with laptop computers in portable applications or for other applications in which the computer has no available PCI plug-in board slots. The product is USB 2.0 compliant and has an IEEE data transfer rate upwards of 1.5 MB/s through the USB port. No external power is required. KUSB-488B has a built-in 2-meter USB cable.

Software

The included utility software simplifies the setup and use of Keithley GPIB interface solutions and saves programming time. Every solution ships with 32-bit dynamic link libraries for Application Development Environments (ADEs) running under Windows XP/2000/Vista and drivers for the most current programming languages. This adds up to full compatibility with a full array of software, including:

- Microsoft Visual Studio 6.0 (Visual Basic, Visual C++)
- Microsoft Visual Studio .NET (Visual Basic .NET, C#)
- Borland Delphi, Borland C Builder 6.0
- LabVIEW Version 7.0 and up (VISA and IEEE-488.2)
- LabWindows™/CVI Version 7.0 and up (VISA and IEEE-488.2)

Hardware Compatibility

These GPIB Interface solutions are fully compatible with all of Keithley's GPIB capable instruments. The Model 7010 adapter is required for the Model 428-PROG when used with the KUSB-488B.

	KPCI-488LPA	KUSB-488B
Bus/Form Factor	PCI	USB
Dimensions	4.7 × 2.5 in (120 × 64.5 mm)	3.2 × 2.6 × 1.1 in (81.7 × 66.1 × 27.8 mm)
Power (Current @ 5VDC)	400 mA typ., 750 mA max.	500 mA
Transfer Speed	1.5 Mbyte/s	1.5 Mbyte/s
EMC	European Directive 2004/108/EEC	European Directive 2004/108/EEC
Environmental	Operating: 0° to 55°C, 10% to 90% RH non-condensing Storage: -20° to 80°C, 5% to 90% RH non-condensing	Operating: 0° to 55°C, 10% to 90% RH non-condensing Storage: -20° to 80°C, 5% to 95% RH non-condensing

1.888.KEITHLEY (U.S. only)
www.keithley.com

KEITHLEY

A GREATER MEASURE OF CONFIDENCE

Add GPIB control to any PC

ACCESSORIES

Specifications are subject to change without notice.
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KEITHLEY

A G R E A T E R M E A S U R E O F C O N F I D E N C E

KEITHLEY INSTRUMENTS, INC. ■ 28775 AURORA RD. ■ CLEVELAND, OH 44139-1891 ■ 440-248-0400 ■ Fax: 440-248-6168 ■ 1-888-KEITHLEY ■ www.keithley.com

BELGIUM

Sint-Pieters-Leeuw
Ph: 02-3630040
Fax: 02-3630064
info@keithley.nl
www.keithley.nl

CHINA

Beijing
Ph: 86-10-8447-5556
Fax: 86-10-8225-5018
china@keithley.com
www.keithley.com.cn

FRANCE

Saint-Aubin
Ph: 01-64532020
Fax: 01-60117726
info@keithley.fr
www.keithley.fr

GERMANY

Germering
Ph: 089-84930740
Fax: 089-84930734
info@keithley.de
www.keithley.de

INDIA

Bangalore
Ph: 080-26771071, -72, -73
Fax: 080-26771076
support_india@keithley.com
www.keithley.com

ITALY

Peschiera Borromeo (Mi)
Ph: 02-5538421
Fax: 02-55384228
info@keithley.it
www.keithley.it

JAPAN

Tokyo
Ph: 81-3-5733-7555
Fax: 81-3-5733-7556
info.jp@keithley.com
www.keithley.jp

KOREA

Seoul
Ph: 82-2-574-7778
Fax: 82-2-574-7838
keithley@keithley.co.kr
www.keithley.co.kr

MALAYSIA

Penang
Ph: 60-4-643-9679
Fax: 60-4-643-3794
koh_william@keithley.com
www.keithley.com

NETHERLANDS

Gorinchem
Ph: 0183-635333
Fax: 0183-630821
info@keithley.nl
www.keithley.nl

SINGAPORE

Singapore
Ph: 65-6747-9077
Fax: 65-6747-2991
koh_william@keithley.com
www.keithley.com

SWITZERLAND

Zürich
Ph: 044-8219444
Fax: 044-8203081
info@keithley.ch
www.keithley.ch

TAIWAN

Hsinchu
Ph: 886-3-572-9077
Fax: 886-3-572-9031
info_tw@keithley.com
www.keithley.com.tw

UNITED KINGDOM

Theale
Ph: 0118-9297500
Fax: 0118-9297519
info@keithley.co.uk
www.keithley.co.uk