KPCI-488LPA
KUSB-488B

IEEE-488 (GPIB) Interface Solutions

- **PCI and USB bus versions**
- **IEEE-488.2 compatible for fast data transfer**
- **Windows® 7/Vista/XP/2000 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 7/Vista/XP/2000, 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 perfect 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 7/Vista/XP/2000 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#)
- Microsoft Visual Studio 2005 and up
- 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)	$3.2 \times 2.6 \times 1.1$ in ($81.7 \times 66.1 \times 27.8$ 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	**Operating:** 0° to 55°C, 10% to 90% RH non-condensing
	Storage: −20° to 80°C, 5% to 90% RH non-condensing	**Storage:** −20° to 80°C, 5% to 95% RH non-condensing

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