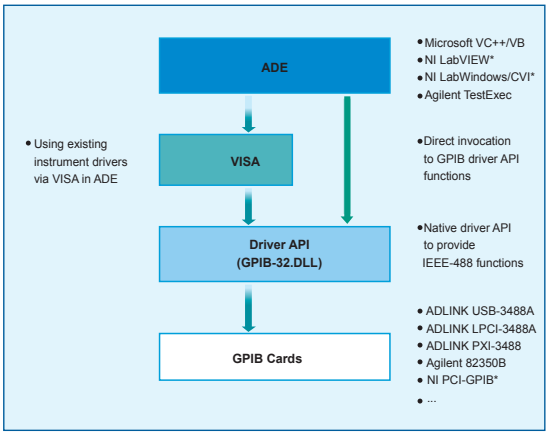
USB-3488A

High-Performance IEEE-488 GPIB Interface Cards for USB

Introduction

ADLINK's GPIB interface solutions are delivered with complete software support, including a driver API set that is fully binary compatible with NI-488.2* driver. All programs written based on the GPIB-32.DLL library can be executed with the USB-3488A without any modification. The VISA library is also supported to ensure compatibility with applications utilizing VISA. Regardless if you are using VC++, VB, Delphi, LabVIEW*, or any other T&M ADEs. The ADLINK USB-3488A provides "Plug and Play" compatibility with all your existing applications.

The USB-3488A GPIB interface provides a direct connection between the USB port on a desktop or laptop computer to GPIB instrumention. With the USB-3488A GPIB interface and its USB Plug and Play feature, GPIB instruments can be connected and disconnected without having to shut down the computer. No external power supplies are necessary. The USB-3488A GPIB interface is equiped with a 2 meter USB cable that is USB 2.0 compliant.



Features

- **Easy GPIB connectivity for laptop computer**
- **Plug and Play interface; No GPIB cable required for instrument connection**
- **APIs compatible with NI-488.2 driver software***
- **Fully IEEE 488.1 and 488.2 compatible**
- **Fully industry-standard VISA library compatible**
- **On-board FIFO for read/write operations**
- **Maximum GPIB transfer rates of more than 1.2 MB/s**
- **2m USB cable attached**
- **RoHS compliant**
- **USB 2.0 compatible**
- **No external power required**

Operating Systems

- Windows Vista/XP/2000/2003 Server

Recommended Software

- VB/VC++/BCB/Delphi/VB.NET/C#.NET
- LabVIEW*
- LabWindow/CVI*

Specifications

GPIB Bus Specifications	• Up to 14 instruments connected • Maximum 1.2 MB/s data transfer rate • Cable length: - 2 meters between each instrument (suggested) - 20 meters total cable length • Data transfer mode: 8 bits parallel • Handshake: 3 wire handshake, reception of each data byte is acknowledged
Certifications	• EMC/EMI: CE, FCC Class A
Weight	• 182 gram
Programming Interfaces	• VB/VC++/BCB/Delphi/VB.NET/C#.NET • LabVIEW™* • LabWindows/CVI*
External Indicators	• Ready: Green for active device • Active: Blinking amber for transferring data
General Specifications	• I/O connector: IEEE-488 standard 24-pin • Operating temperature: 0°C to 55°C • Storage temperature: -20°C to 70°C • Relative humidity: 5% to 95%, non-condensing • Power requirements +5 V Typical : 190 mA Maximum : 500 mA • Dimensions - 81.6 mm (L) x 61.5 mm (W) x 27.8 mm (H)
Driver Compatibility	• All operations can be executed with the ADL-GPIB driver package.
I/O Connectors	• GPIB : IEEE-488 standard 24 pin • USB : USB standard series A plug

Ordering Information

- **USB-3488A**
  High-Performance IEEE-488 GPIB interface card for USB
- **ACL-IEEE488-1**
  IEEE-488 standard cable, 1 meter length
- **ACL-IEEE488-2**
  IEEE-488 standard cable, 2 meter length
- **ACL-IEEE488-4**
  IEEE-488 standard cable, 4 meter length
- **ACL-IEEE488-8**
  IEEE-488 standard cable, 8 meter length

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