

Agilent 82357B USB/GPIB Interface

Features

- Fast and easy connection to GPIB instruments
- Uses standard USB and IEEE-488 interfaces
- Maximum GPIB transfer rate of more than 1.15 MB/s
- Use industry standard software

Best for

- Easiest GPIB connectivity
- Notebook computer GPIB connections

Connect GPIB instruments quickly and easily to your computer's USB port

The Agilent 82357B USB/GPIB interface provides a direct connection from the USB port on your desktop and laptop computers to GPIB instruments. Once the software is loaded, your computer automatically detects the 82357B when it is connected to the computer USB port.

With the 82357B USB/GPIB interface and its convenient plug-and-play feature, you just plug and go. It is also hot pluggable, making it easy to connect and disconnect without having to shut down the computer. No external power supplies are necessary.

The 82357B USB/GPIB interface implements USB 2.0 (480 Mbits/s) and is backward compatible with USB 1.1. The 82357B USB/GPIB interface uses a thin, flexible, high-quality USB cable that is USB 2.0 compliant. The USB cable is shielded, and the connector is specified to 1,500 insertions, ensuring a durable connection and reliable data transfer.



Boosting performance with simplest connectivity

82357B Technical Specifications

General Requirements

Minimum system requirements	<ul style="list-style-type: none"> • Windows 2000/XP Professional/Vista • 450 MHz Pentium II (800 MHz is recommended) • 128 MB RAM (256 MB or greater is recommended) • 400 MB free disk space • USB port (OS and Microsoft .NET Framework may require more resources)
Supported standards	<ul style="list-style-type: none"> • Support USB 2.0 high speed and full speed • Standard USB endpoints supported • IEEE-488.1 and IEEE-488.2 compatible • SICL and VISA 2.2
Unsupported GPIB modes of operation	<ul style="list-style-type: none"> • Pass Control • Non-System Controller mode

General Characteristics

Power	USB bus-powered device, +5 V, 500 mA (max), 200 mA (typ)
GPIB transfer rate	1.15 MB/s or better
Connectors	<ul style="list-style-type: none"> • Standard 24-pin IEEE-488 • Standard USB A
USB hubs	Self-powered hubs
Parallel polling	A single parallel poll can easily check up to eight individual devices at once, corresponding to the number of data lines on the GPIB.
Cable	2.5 meters, shielded, connector rated for 1500 insertions
LED Indicators	READY, ACCESS, FAIL
Maximum connections	Maximum 4 converters can be connected to the PC
Instrument connections	14 instruments—daisy chain via GPIB
Configuration	Plug-and-play
Warranty	1 year
EMC and Safety *	<ul style="list-style-type: none"> • IEC 61010-1:2001/EN 61010-1:2001 • Canada: CSA C22.2 No. 61010-1:2004 • USA: UL61010-1: 2004

Dimensions

Length, width, and height	105 mm (L) x 64 mm (W) x 30 mm (H) (includes connectors)
Weight	215 grams

Environmental Specifications

Operating environment	0 °C to 55 °C
Storage environment	-40 °C to +70 °C
Operating humidity	Up to 90 % at 40 °C non-condensing
Storage humidity	Up to 90 % at 65 °C non-condensing

* Additional details and information in the Declaration of Conformity