

## Agilent 82350B High-Performance PCI GPIB Interface for Windows

### Features

- PCI IEEE-488 interface for PCs
- Transfer rates up to 900 KB/s
- Dual processor support on Windows 2000/XP/Vista

### Best for

- Maximum GPIB throughput for all configurations

### High performance for manufacturing test applications

The 82350B is Agilent's highest-performance GPIB interface. With a direct PCI computer connection, transaction overhead is minimized for the best overall performance.

The 82350B card de-couples GPIB transfers from PCI bus transfers. Buffering provides I/O and system performance that is superior to direct memory access (DMA). The hardware is software configurable and compatible with the Plug-and-Play standard for easy hardware installation. The GPIB interface card plugs into a 5 volt PCI slot in the backplane of your PC.

For programming capability you have access with the latest version of IO Libraries suite, version 14.2, to program in all standard development environments. Agilent's IO Libraries Suite 14.2 is easy to use and works with virtually any vendor's instrument or T&M programming software application and includes automatic configuration for Agilent or NI VISA, NI-488.2, VISA COM or T&M Toolkit Direct IO. Even if you use NI IO software Agilent will configure automatically so as a user you do not have to be concerned with the behind-the-scenes details.



This traditional GPIB connection still offers the highest throughput

### 82350B technical specifications

#### General requirements

Minimum system requirements	Windows 98(SE)/Me (note 98 supported with version 14.0 only)/2000/XP/Vista
Software required	Agilent IO Libraries Suite (included); see requirements on page 1
PCI bus slot	5-V PCI slot, 32 bits
Supported standards	PCI rev 2.2 IEEE 488.1 and IEEE 488.2 compatible

#### General characteristics

Power	Backplane +5 V PCI
Connectors	Standard 24-pin GPIB (IEEE-488) +5V PCI
Maximum data rate	More than 900 KB/s
Maximum instrument connection	14 instruments—daisy chain via GPIB
Buffering	Built-in
Configuration	Plug-and-Play
EMC and safety *	IEC 61326-1 Group 1, Class A IEC 61010-1
Warranty	1 year

#### Dimensions

Length, width, and height	122 mm (L) x 122 mm (W) x 22 mm (H) (a full-height PCI card)
Weight	0.091 kg
Environmental specifications	
Operating environment	0°C to 55°C
Operating humidity	Up to 90% at 40°C non-condensing
Storage environment	-40°C to +70°C
Storage humidity	Up to 90% at 65°C non-condensing

\* Additional detail and information in the Declaration of Conformity