Agilent 82350A
PCI High-Performance GPIB Interface for Windows 95/98/NT
Data Sheet

- PCI IEEE-488 interface for PCs
- Built-in buffering for speed
- HP VEE compatibility
- BASIC for Windows compatibility
- Microsoft languages compatibility
- SICL/VISA support

Description

The Agilent 82350A is a low-cost, high-performance IEEE-488 interface and software for PCI-based PCs. The 82350A makes it easy to access and control instruments and exchange data. This is a high-speed, PCI card with built-in buffering, which decouples GPIB transfers from the PCI bus transfers. Buffering provides I/O and system performance that is superior to direct memory access (DMA)–up to 750 KB/s.

The 82350A comes with SICL and VISA software for Windows NT and Windows 95/98. The hardware is software configurable and compatible with the plug-and-play standard for easy hardware installation.

The GPIB interface card plugs into a PCI slot in the backplane of your PC. Via a GPIB cable, this card connects to GPIB instruments.

For VXI applications a GPIB cable connects the card to the command module in Slot 0 of the VXI mainframe.

Refer to the Agilent Technologies Website for instrument driver availability and downloading instructions, as well as for recent product updates, if applicable.

Product Specifications

<table>
<thead>
<tr>
<th>Operating system:</th>
<th>Windows 95/98/NT</th>
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<tbody>
<tr>
<td>Controller:</td>
<td>PC</td>
</tr>
<tr>
<td>I/O library:</td>
<td>SICL/VISA</td>
</tr>
<tr>
<td>Backplane:</td>
<td>PCI</td>
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<tr>
<td>Max. I/O speed:</td>
<td>750 KB/s</td>
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<tr>
<td>Buffering:</td>
<td>Built-in</td>
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<tr>
<td>Languages:</td>
<td>HP VEE, C/C++, BASIC for Windows, Visual Basic</td>
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Ordering Information

<table>
<thead>
<tr>
<th>Description</th>
<th>Product No.</th>
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<tr>
<td>PCI GPIB Interface</td>
<td>82350A</td>
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<tr>
<td>Add Manual Set</td>
<td>82350A 0B1</td>
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</tbody>
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Related Literature

2000 Test System and VXI Catalog CD-ROM,
Agilent Pub. No. 5980-0308E (detailed specifications for VXI products)

2000 Test System and VXI Catalog,
Agilent Pub. No. 5980-0307E (overview of VXI products)

1998 Test System and VXI Products Data Book,
Agilent Pub. No. 5966-2812E

Online

Internet access for Agilent product information, services and support
www.agilent.com/find/tmdir

VXI product information
www.agilent.com/find/vxi

Defense Electronics Applications
www.agilent.com/find/defense_ATE

Agilent Technologies VXI Channel Partners
www.agilent.com/find/vxicopart

Agilent Technologies’ HP VEE Application Website
www.agilent.com/find/vee

Agilent Technologies Data Acquisition and Control Website
www.agilent.com/find/data_acq

Agilent Technologies Instrument Driver Downloads
www.agilent.com/find/inst_drivers

Agilent Technologies Electronics Manufacturing Test Solutions
www.agilent.com/go/manufacturing

Get assistance with all your test and measurement needs at
www.agilent.com/find/assist
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