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Data Sheet

August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP 82350B PCI GPIB Interface

The Agilent 82350B is the later PCI GPIB interface card in the 82350 family for IEEE 488 instrument control. Plug-and-play PCI, SICL/VISA via Agilent/Keysight IO Libraries, up to 14 instruments. Successor to 82350A; PCIe migration path is 82351A/B. PCI PC GPIB control; maintaining PCI ATE controllers; mixed 488.1/488.2 racks. PCI GPIB B-revision identity from Agilent 82350B literature. Confirm IO Libraries version. Do not install inaPCIe-only slot without a PCI bridge. PCI PC GPIB control; maintaining PCI ATE controllers; mixed 488.1/488.2 racks. PCI GPIB B-revision identity from Agilent 82350B literature. Confirm IO Libraries version. Do not install inaPCIe-only slot without a PCI bridge.

**MODEL****Keysight / Agilent /
HP 82350B****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****82350B****LISTING**<https://aumictechlabs.com/products/82350b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight/Agilent/HP 82350B is a PCI GPIB interface card that enables direct control of IEEE 488 instruments from desktop and laptop computers equipped with standard PCI slots. The card decouples GPIB transfers from PCI bus operations using built-in buffering, delivering superior I/O and system performance compared to Direct Memory Access (DMA) architectures. It connects up to 14 GPIB instruments in daisy-chain configuration and supports data transfer rates up to 900 KB/s. Technical Specifications Interface: PCI GPIB (IEEE 488.1 and IEEE 488.2) with 24-pin IEEE-488 connector PCI Compatibility: 5V, 32-bit PCI slot (rev 2.1, rev 2.2); not compatible with 3.3V

PCI, EISA, or ISA Data Transfer Rate: Up to 900 KB/s Instrument Capacity: 14 GPIB instruments (daisy-chain) Hardware: Xilinx XC2S100 FPGA; Texas Instruments SN75160/SN75162 bus buffers Configuration: Plug-and-play; software configurable Key Features Built-in buffering minimizes transaction overhead Direct PCI connection eliminates DMA bottlenecks Hardware-level decoupling of GPIB and PCI transfers Xilinx FPGA architecture for flexible protocol implementation Compatibility & Integration Software: Agilent IO Libraries Suite (v14.2+), SICTL, VISA, HTBasic, HP BASIC, Agilent VEE, VB.NET, C#, MATLAB, LabVIEW/LabWindows. Supports Agilent VISA, NI VISA, NI-488.2, VISA COM, and T&M Toolkit Direct IO with automatic configuration. Operating Systems: Windows 98SE/Me, NT4, 2000, XP, Vista, 7, 8, Server 2008 R2; 64-bit support for Vista and Windows 7. Compliance: IEC 61326-1 (Group 1, Class A), IEC 61010-1 (Class A), UL 61010-1:2004, CSA C22.2 No. 61010-1:2004.

82350B Characteristics / Specifications

PARAMETER	VALUE
Model	82350B
Manufacturer	Agilent / Keysight
Instrument Type	PCI GPIB Interface Card
Alias	82350B; Agilent 82350B
Host Bus	PCI
GPIB	IEEE 488.1 / 488.2
Maximum Instruments	14 daisy-chained
Connector GPIB	24-pin IEEE 488
Software	Agilent/Keysight IO Libraries
Predecessor	82350A
PCIe Sibling	82351A / 82351B
ISA Ancestor	82341 / E2071 family
Plug And Play	PCI PnP
Form	PCI add-in card
Host OS	Windows with IO Libraries
Transfer	high-performance PCI GPIB
Not ISA	not 82341D
Not PCIe	not 82351B
Not USB	not 82357B
Slot	32-bit PCI class
Power	PCI backplane
Cables	standard GPIB
ATE Use	controller
Status	Agilent 82350B
Driver	82350B IO Libraries

PARAMETER	VALUE
SICL Name	gpib0 class
System Controller	yes
Talker Listener	yes
IEEE 488.	yes Notes PCI GPIB B-revision identity from Agilent 82350B literature. Confirm IO Libraries version. Do not install inaPCle-only slot without a PCI bridge.

82350B Specifications

PARAMETER	VALUE
Agilent 82350B PCI GPIB Interface Card	Overview
Applications	PCI PC GPIB control; maintaining PCI ATE controllers; mixed 488.1/488.2 racks.
Key Features	- PCI GPIB successor to 82350A
Technical Specifications	Model: 82350B

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Instrument Type	PCI GPIB Interface Card
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Specifications

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Not ISA	not 82341D
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Status	Agilent 82350B

Specifications

PARAMETER	VALUE
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SICL Name	gpib0 class
System Controller	yes

Talker Listener: yes

IEEE 488.2: yes

Notes

PCI GPIB B-revision identity from Agilent 82350B literature. Confirm IO Libraries version. Do not install inaPCIe-only slot withoutaPCI bridge.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.