

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 3, 2026

KEYSIGHT

Keysight 82351B High-performance PCIe GPIB interface card

Keysight 82351B High-performance PCIe GPIB Interface Card The Keysight 82351B is a high-performance PCIe-to-GPIB interface card for connecting PCIe-based PCs and workstations to IEEE-488 instruments. It supports up to 1.4 MB/s transfer, up to 14 daisy-chained GPIB instruments, plug-and-play configuration, and includes standard plus low-profile brackets. Software: Keysight IO Libraries Suite 17.0 or later. Backward compatible with prior PCI/PCIe GPIB software coding. Bandwidth-intensive ATE; adding GPIB to modern PCIe PCs; multi-instrument control racks. The Keysight 82351B is a high-performance PCIe-to-GPIB interface card for connecting PCIe-based PCs and workstations to IEEE-488 instruments. It supports up to 1.4 MB/s transfer, up to 14 daisy-chained GPIB instruments, plug-and-play configuration, and includes standard plus low-profile brackets. Software: Keysight IO Libraries Suite 17.0 or later. Backward compatible with prior PCI/PCIe GPIB software coding. Bandwidth-intensive ATE; adding GPIB to modern PCIe PCs; multi-instrument control racks.



MODEL

Keysight 82351B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

82351B

LISTING

<https://aumictechlabs.com/products/82351b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight 82351B is a PCIe GPIB interface card that connects host computers to IEEE 488.1 and IEEE 488.2 compliant instruments. It delivers up to 1.4 MB/s data transfer and supports daisy-

chain configurations of up to 14 devices. The card features plug-and-play installation, operates at 3.3 V signal levels, and includes both standard and low-profile brackets for flexible chassis mounting.

Technical Specifications

Interface: PCIe (PCI Express) host, standard 24-pin IEEE-488 GPIB connector

Data Transfer Rate: Up to 1.4 MB/s

Signal Level: 3.3 V

Maximum Daisy-Chain Devices: 14 instruments

Built-in Buffering: Yes

Dimensions (with package): 260 × 165 × 86 mm

Weight (with package): 321 g

Key Features

- Plug-and-play configuration with no additional setup required
- Backward compatible with PCI-configured software and code
- Includes standard and low-profile brackets for diverse PC form factors
- Supplied with Keysight I/O Libraries Suite on CD

Typical Applications

- High-throughput automated test environments
- Data acquisition systems requiring bandwidth-intensive operations
- Multi-instrument control platforms

Compatibility & Integration

Operating Systems: Windows 7 SP1, Windows 8/8.1, Windows 10, Windows Server 2008 R2 SP1, and Windows Server 2012 (both 32-bit and 64-bit where applicable)

Software & Standards: Keysight I/O Libraries Suite (free download required), SCPI, SICL, VISA, VXI-11 Protocol, and USBTMC-USB488 protocol

Development Environments: MATLAB, Python, NI LabVIEW, and Microsoft Visual Studio

PCIe Slot Support: PCIe 1x and above

Features & description

From manufacturer datasheet

Features

- Bus: PCIe rev 1.0a; IEEE-488.1 / 488.2 compatible
- Max data rate: 1.4 MB/s
- Max instruments: 14 (GPIB daisy chain)
- Connector: Standard 24-pin IEEE-488 (GPIB); +3.3 V PCIe
- Power: Backplane +3.3 V PCIe
- Bracket: Standard and low-profile for flexible chassis fit
- Software: Keysight IO Libraries Suite ≥ 17.0

82351B Characteristics / Specifications

PARAMETER	VALUE
Model	82351B
Manufacturer	Keysight Technologies
Instrument Type	PCIe-GPIB Interface Card
Alias	82351B; Agilent 82351B Interface
PCIe	rev 1.0a; 3.3 V PCIe slot
GPIB	IEEE-488.1 and IEEE-488.2
Maximum Data Rate	1.4 MB/s
Maximum Instrument Connection	14 instruments daisy-chained via GPIB
Connectors	24-pin IEEE-488; PCIe edge connector (+3.3 V) Software / System Keysight IO Libraries Suite version 17.0 onwards Plug-and-play; code-compatible with prior Keysight PCI/PCIe GPIB configurations Operational Notes Do not confuse with 82351A (earlier PCIe-GPIB) or 82350B/C (PCI-GPIB). Prefer Keysight GPIB product brochure 5990-4717EN / Farnell 2062709 datasheet.
Bus	PCIe rev 1.0a; IEEE-488.1 / 488.2 compatible
Max data rate	1.4 MB/s
Max instruments	14 (GPIB daisy chain)
Connector	Standard 24-pin IEEE-488 (GPIB); +3.3 V PCIe
Power	Backplane +3.3 V PCIe
Bracket	Standard and low-profile for flexible chassis fit
Software	Keysight IO Libraries Suite $\geq$ 17.0
Bandwidth	intensive ATE; adding GPIB to modern PCIe PCs; multi-instrument control racks.
Data Rate	1.4 MB/s - Max instruments: 14 (GPIB daisy chain) - Connector: Standard 24-pin IEEE-488 (GPIB); +3.3 V PCIe - Power: Backplane +3.3 V PCIe - Bracket: Standard and low-profile for flexible chassis fit - Software: Keysight IO Libraries Suite $\geq$ 17.0

82351B Specifications

PARAMETER	VALUE
Key Features	- Bus: PCIe rev 1.0a; IEEE-488.1 / 488.2 compatible
Technical Specifications	Model: 82351B
Interface	PCIe: rev 1.0a; 3.3 V PCIe slot
Software / System	Keysight IO Libraries Suite version 17.0 onwards

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.

performance PCIe GPIB Interface Card

Overview

The Keysight 82351B is a high-performance PCIe-to-GPIB interface card for connecting PCIe-based PCs and workstations to IEEE-488 instruments. It supports up to 1.4 MB/s transfer, up to 14 daisy-chained GPIB instruments, plug-and-play configuration, and includes standard plus low-profile brackets. Software: Keysight IO Libraries Suite 17.0 or later. Backward compatible with prior PCI/PCIe GPIB software coding.

Applications

Bandwidth-intensive ATE; adding GPIB to modern PCIe PCs; multi-instrument control racks.

Key Features

- Bus: PCIe rev 1.0a; IEEE-488.1 / 488.2 compatible
- Max data rate: 1.4 MB/s
- Max instruments: 14 (GPIB daisy chain)
- Connector: Standard 24-pin IEEE-488 (GPIB); +3.3 V PCIe
- Power: Backplane +3.3 V PCIe
- Bracket: Standard and low-profile for flexible chassis fit
- Software: Keysight IO Libraries Suite ≥ 17.0

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	82351B
Manufacturer	Keysight Technologies
Instrument Type	PCIe-GPIB Interface Card
Alias	82351B; Agilent 82351B

Interface

Specifications

PARAMETER	VALUE
PCIe	rev 1.0a; 3.3 V PCIe slot
GPIB	IEEE-488.1 and IEEE-488.2
Maximum Data Rate	1.4 MB/s
Maximum Instrument Connection	14 instruments daisy-chained via GPIB
Connectors	24-pin IEEE-488; PCIe edge connector (+3.3 V)

Software / System

Keysight IO Libraries Suite version 17.0 onwards

Plug-and-play; code-compatible with prior Keysight PCI/PCIe GPIB configurations

Operational Notes

Do not confuse with 82351A (earlier PCIe-GPIB) or 82350B/C (PCI-GPIB). Prefer Keysight GPIB product brochure 5990-4717EN / Farnell 2062709 datasheet.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 3, 2026

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