




Keysight GPIB and Instrument Control Products


Get high performance, reliability and seamless connection

From standard GPIB and RS-232 interfaces to PCI/PCIe, USB or LAN interfaces, Keysight Technologies, Inc. helps you stay connected with your instruments.

For control via instrument GPIB interface

	82350C PCI-GPIB interface card	82351B PCIe-GPIB interface card	82357B USB/GPIB converter
			
	32-bit, 5-volt PCI bus	32-bit, 3.3-volt PCIe bus	No GPIB cable required to connect to instrument Shielded USB cable, connector specified to 1500 insertions
		Flexible up-plugging to x4 and x8 slots	Parallel-polling capability checks responses of up to 8 instruments in a single pole
BEST FOR	Flexible connection with standard and low-profile brackets	Flexible connection with standard and low-profile brackets	Easiest GPIB connection: — Plug-and-play configuration — No switches to set, no PC cards to install, no external power supplies
	Maximum GPIB throughput for all configurations	Maximum GPIB throughput for all configurations	
Max. transfer rate	900 KB/s	1.4 MB/s	1.15 MB/s
Max. connected instruments	14 (daisy-chained)		
Operating system	Windows (32/64-bit) 7, 8, 10, and Windows Server (64-bit) 2008 R2 SP1, 2012, 2016		
Driver	Keysight IO Libraries Suite 2019 Update 1 and above		

For control via instrument GPIB, USB and RS-232 interfaces

	E5810B LAN/GPIB/USB gateway
	
	LAN extends cabling connection to virtually unlimited distance Easy set up and use with built-in digital display and web browser 1000BASE-T/100BASE-TX/10BASE-T LAN compatibility Faster GPIB transfer rate
BEST FOR	One-box connectivity – remote GPIB, RS-232 and USB connections Sharing of instruments in a distributed system
Max. transfer rate	1.2 MB/s (GPIB), 480 Mb/s (USB), 115 Kb/s (RS-232)
Max. connected instruments	14 (daisy-chained for GPIB), 4 (USB via hub), 1 (RS-232)
Operating system	Windows (32/64-bit) 7, 8, 10, and Windows Server (64-bit) 2008 R2 SP1, 2012, 2016
Driver	Keysight IO Libraries Suite 2019 Update 1 and above

Learn more at: www.keysight.com

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	Model	Description	Recommended Use
GPIB boards	82350C	High performance PCI-GPIB interface card	Maximum GPIB throughput for all configurations Standard and low-profile brackets allow flexible connection
	82351B	High performance PCIe/GPIB interface card	Bandwidth-intensive test applications Standard and low-profile brackets allow flexible connection
USB converters	82357B	USB/GPIB interface	Easy GPIB connectivity to a PC via USB
LAN converters	E5810B	LAN/GPIB/USB gateway	Connection to remote GPIB, USB and RS-232 instrumentation via LAN Shared test systems
Cables and adapter	10833A	GPIB cable	1 meter
	10833B	GPIB cable	2 meter
	10833C	GPIB cable	4 meter
	10833D	GPIB cable	0.5 meter
	10833F	GPIB cable	6 meter
	10833G	GPIB cable	8 meter
	10834A	GPIB-to-GPIB adapter	Extends the first cable 2.3 cm away from the rear panel to provide clearance for other connectors, switches, and cables

PCIe® and PCI Express® are US registered trademarks and/or service marks of PCI-SIG.

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