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Agilent E2050B
LAN/GPIB Gateway

Data Sheet

- **Low-cost access to GPIB instrumentation via LAN**
- **Allows longer distance between controller and instruments**
- **Resource sharing—people and instruments**
- **Leverage your existing network and systems**
- **Distributed control of GPIB instruments**
- **Improved I/O throughput to maximize your system performance**



Agilent E2050B

Description

The Agilent Technologies LAN/GPIB Gateway provides **low-cost access** to **GPIB instrumentation over an existing LAN.** It allows the use of SICL- or VISA-based applications designed for GPIB over the LAN without modifying the application beyond a simple address change.

The gateway is a combination of hardware and SICL/VISA software. It uses client/server technology to extend the standard SICL/VISA functions to control GPIB instrumentation located remotely on the LAN. This gives you the opportunity to put your controller at an alternative, more convenient, or safer location. Therefore, you can go through the gateway instead of a GPIB interface card.

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

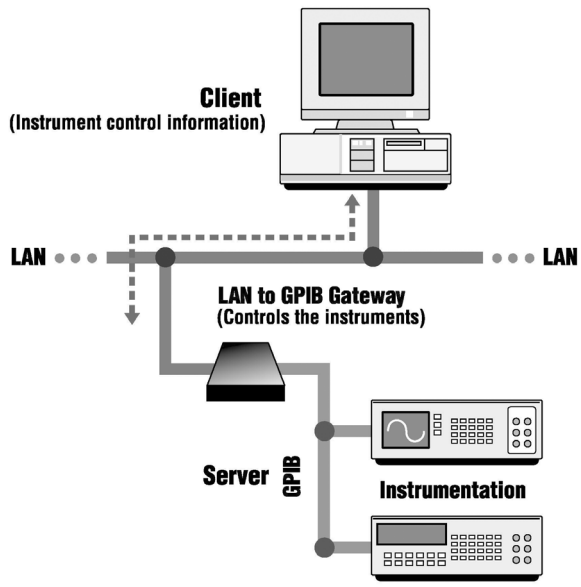
Gateway Connection

To provide this gateway separation, the test application becomes a client and the instrumentation becomes a server. The connection between client and server is through the TCP/IP protocols already present in your controller and provided in the LAN/GPIB Gateway. The client side of the system performs the user interface, graphics, report generation, and data analysis functions. The server side provides the access and control of the test instrumentation.

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The SICL/VISA software lets you control instrumentation over the LAN using standard SICL/VISA functions. Use your existing SICL- or VISA-based applications with the LAN/GPIB Gateway by simply changing the address. By using the standard LAN capabilities included on many PCs and workstations, instrument control can be driven from a computer that does not (or cannot) have a special interface for instrument control. The LAN/GPIB Gateway is the link between the LAN that your computer understands and the instrument-specific GPIB interface that your instrument understands. Agilent VEE with SICL/VISA provides an excellent environment for using the E2050B.



LAN/GPIB Connection

Product Specifications

Interface Characteristics

Operating system:	HP-UX 9.X, 10.01, 10.20 Windows® 95/98/NT®/2000/Me
Controller:	Series 700* PC* *(external or embedded)
I/O library:	SICL/VISA
Backplane:	n/a
Max. I/O speed:	n/a
Buffering:	None
Languages:	Agilent VEE C/C++ BASIC/UX

Ordering Information

Description	Product No.
LAN/GPIB Gateway	E2050B
HP-UX Operating System	E2050B AG1
Windows 95/NT/2000/Me	E2050B AG6
Rack Mount Kit for LAN/GPIB Gateway	E2051A

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