Agilent E5813A Networked 5-Port USB Hub

Features
- Interface a variety of GPIB, RS-232, and USB devices to complete your test system
- Extend USB devices beyond five meters
- USB ports appear to be locally attached and are locked to one computer

Best for
- Remote access to USB ports—devices or instruments

Connect remote USB, GPIB or RS-232 instruments or devices via a standard LAN

The Agilent E5813A networked 5-port USB hub uses LAN technology to overcome the 5-meter distance limitation for USB cabling, so you can place USB devices anywhere on a LAN network. With access to remote devices, you can collect data, perform measurements, or monitor the progress of your tests. Using the included IO Libraries Suite, you can connect an Agilent 82357B USB/GPIB interface to one of the USB ports for access to GPIB devices. You also can connect an E5805A USB/4-port RS-232 interface for access to RS-232 devices (see figure on page 8).

To prevent access conflicts, only one computer at a time can access the E5813A. The included software lets you lock the E5813A to your computer. Once you unlock the connection, another user can then connect from a different computer.

For information on choosing between E5810A and E5813A see page 8.

Utilize LAN to access the remote USB, GPIB or RS-232 instruments or devices

E5813A technical specifications

General requirements

Minimum system requirements	Windows 2000/XP Available USB 1.1 or 2.0 port
Software required	E5813A driver (included)
Software recommended	Agilent IO Libraries Suite (included); see system requirements on page 1
Supported standards	10BASE-T/100BASE-TX networks USB 1.1 (fully compatible with USB 2.0)

General characteristics

Power supply	External switching AC adapter
Input power consumption	120/230 volts AC, 0.7amps
Power line frequency	50 to 60 Hz
Output	5 volts DC, 3 amps max
USB device power available	500 mA per device
Connectors	LAN RJ-45 Standard USB A on each of 5 ports
Maximum data rates	12 Mbps from each port
Maximum instrument connections	5 USB instruments or devices
Configuration	Remote LAN configuration utility
Indicators	LEDs for system and device status
EMC and safety *	CISPR 22 Class B CISPR 24 IEC 60950 ITE equipment intended only for use with ISM equipment
Warranty	1 year

Network and device recommendations

IP addresses	One IP address per unit
E5813A Device Sharing	Locked to one computer at a time. One computer must release the E5813A before another computer can use it.
Network utilization	Maximum network utilization below 50%
Compatibility	Compatible with bulk or interrupt-type USB devices; isochronous devices are not supported.

Dimensions

Length, width, and height	Device: 112 mm (L) x 182 mm (W) x 26 mm (H) Power adapter: 110 mm (L) x 60 mm (W) x 35 mm (H)
Weight	Device: 0.284 kg Power adapter: 0.25 kg

Environmental specifications

Operating environment	0°C to 55°C
Operating Humidity	Up to 90% at 40°C non-condensing
Storage environment	-40°C to +70°C
Storage humidity	Up to 90% at 65 °C non-condensing

* Additional detail and information in the Declaration of Conformity