



WBK25™



Ethernet Interface Module for WaveBook/512A & /516A, WBK40 Series, & DaqBook/2000 Series

Compatibility: ✓ WaveBook/512A, /516A ✓ WBK40 Series ✓ DaqBook/2000 Series

Features

- Provides 100BaseT Ethernet connection to up to three WaveBook/512A™ & WaveBook/516A™, WBK40™ series, & DaqBook/2000™ series products
- High-speed performance guarantees continuous data transfer to the PC without data loss

The WBK25™ provides high-speed Ethernet connectivity for WaveBook, DaqBook and WBK40™ series products. The WBK25 contains one 10/100BaseT Ethernet port for connection to a PC, and three parallel ports that can attach to any model of WaveBook, DaqBook, WBK40 series option, or any combination of these devices.

Data transfer rates with the WBK25 will depend on the network to which it is attached. If the WBK25 is used in a point-to-point configuration, where the WBK25 and the PC are the only devices on the network (recommended for WaveBook applications where data transfer speeds may be critical), then data transfers are sure to exceed 2 Mbytes per second. One WaveBook attached to a WBK25 can operate at its maximum, 1 Msamples/s sampling rate, while transferring data continuously to the PC.

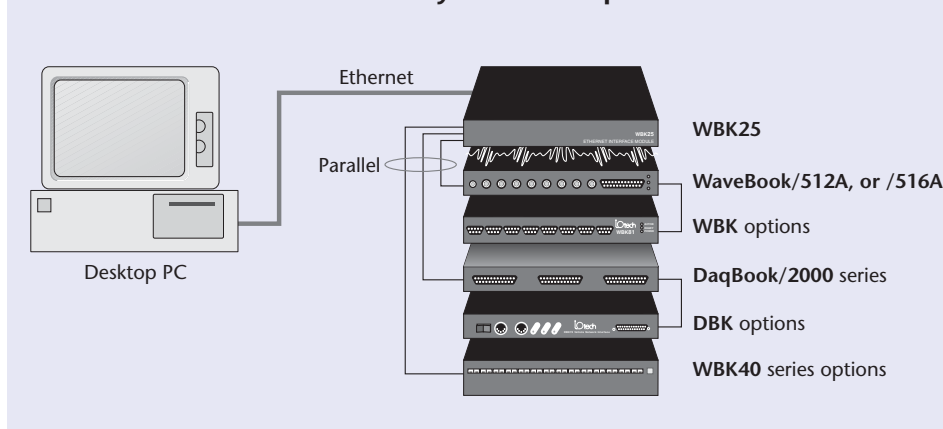
If the WBK25 is used with DaqBook and WBK40 series options, then up to three of these devices can be attached to one WBK25 and are able to transfer data at the maximum sampling rates on all three devices simultaneously.

If the WBK25 is attached to a shared Ethernet network, then data transfer rates will be dependent on the other network traffic at the time. It is not possible to guarantee maximum data transfer rates in this mode. However, the WaveBook offers internal memory options (WBK30 series) for applications such as this, so that the acquired data can be locally stored in the event that the shared network traffic prohibits the WaveBook from transferring data at the same rate at which it was acquired.



The WBK25 includes one 10/100BaseT Ethernet port and three high-speed parallel ports

WBK25 System Example



It is also possible to attach multiple WBK25 units to one PC having multiple Ethernet ports, or having a multi-port Ethernet hub. Performance under these conditions will be dependent on the PC's ability to handle multiple networks.

Note: Supported in the 32-bit driver only.

Specifications

Environment
Operating: 0 to 50°C; 0 to 95% humidity, non-condensing
Storage: -20° to +70°C
Power: 0.75A @ 15V
Dimensions: 285 mm W x 220 mm D x 35 mm H (11" x 8.5" x 1.375")
Ethernet Interface: 10/100BaseT
Ethernet Connector: RJ45
Parallel Interface: Three enhanced parallel ports
Parallel Connectors: DB25, female

Ordering Information

Ethernet to 3-parallel port interface for WaveBook, DaqBook, and WBK40 modules **WBK25**

Accessories & Cables

DB25 male to DB25 female parallel cable, 2 ft. CA-35-2
 SYNC cable, 1 ft. CA-74-1
 SYNC cable, 5 ft. CA-74-5
 Ethernet patch cable, 1.5 ft. CA-242
 Ethernet patch cable, 7 ft. CA-242-7

Related Products

WaveBook/512A
 WaveBook/516A
 WBK40 Series
 DaqBook/2000 Series