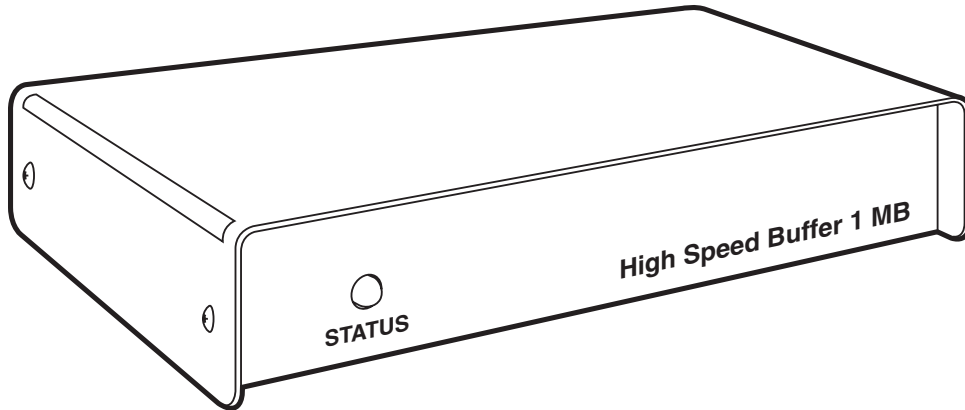# BLACK BOX®
NETWORK SERVICES

High Speed Buffer

The High Speed Buffer is an in-line buffer and protocol converter—all in one compact unit.

STATUS

High Speed Buffer 1 MB

Key Features

▶ *Completely automatic microprocessor-controlled operation.*

▶ *Compatible with virtually all serial computers and printers.*

▶ *Simultaneous input and output.*

▶ *LEDs let you know system status at a glance.*

▶ *Automatic memory detection.*

▶ *Choose from memory buffers of 1 MB, 4 MB, or 5 MB.*

With the High Speed Buffer, there's no more waiting for your PC to finish sending data to a printer or other peripheral.

The High Speed Buffer is used as an in-line buffer between two serial ports. This unit can also be used as a protocol converter (for example, 9600 baud input/2400 baud output). Six models are available:

• High Speed Buffer 1M, 115 VAC (PI100A)

• High Speed Buffer 1M, 230 VAC (PI100AE)

The High Speed Buffer features dynamically allocated memory, programmable serial-port communication parameters, and a user-friendly configuration program and pop-up menu. Configuration parameters are saved when powered off. Plus, you can program copy selection (1 to 9999 copies),

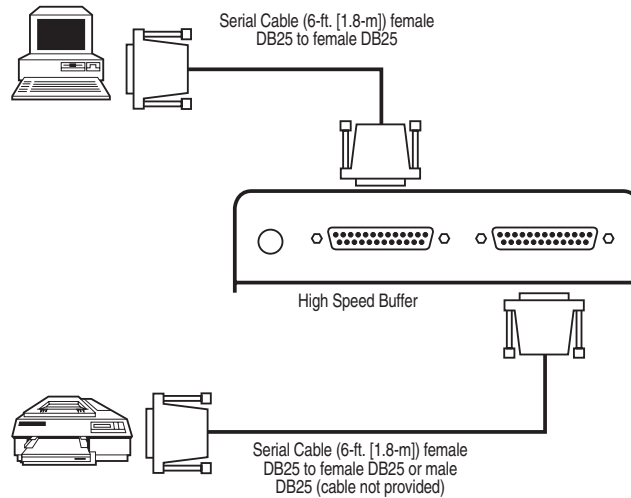timeout (1 to 9999 seconds), and automatic form feed.

And it's easy to use, since the software installation is menu-driven.

All models include the cables you will need for installation, a power supply, a 3½" diskette, and a comprehensive user manual.

Typical Application

Send data from a serial port to a serial printer or plotter with the High Speed Buffer.

Buffer data between two serial devices with the High Speed Buffer.

Serial Cable (6-ft. [1.8-m]) female DB25 to female DB25

High Speed Buffer

Serial Cable (6-ft. [1.8-m]) female DB25 to female DB25 or male DB25 (cable not provided)

Technically Speaking

Software for the High Speed Buffer:

- The User Command Transmission Program (UCTP) is a user-friendly interface offering an easy way to send control commands to the High Speed Buffer without having to exit your application. Specifying the number of copies to print, activating a form feed, or pausing submitted jobs are some of the control commands available within the UCTP.

- The UCTP is a menu-driven program that can be installed resident. The menu pops up over any application software when you press a hotkey combination.

- Several software utilities are included with the High Speed Buffer. These allow you to change the communication speed of the PC serial port (up to 115200 baud). Other functions of these utilities include:

  - Pause processing on your PC from 1 to 999 seconds.
  - Change the list of commands in your UCTP program.
  - Enable the transmission of control commands or of a file to the Buffer.
  - Give information about Buffer updates.

  ...and more!

Specifications

Serial port configuration — DTE; 7 or 8 data bits; even, odd, or no parity

Memory — 256 KB x 4 bits or 1 MB x 4 bit

Operating Temperature — 0 to 40° C

Operating Humidity — Up to 90%, noncondensing

Flow Control — CTS/DTR; programmable X-ON/X-OFF

Speed — 1,200 to 115,200 baud; 1 or 2 stop bits

Connectors — (2) DB25 male

Size — 3.8 x 11 x 14.1 cm

Weight — 0.7 kg

What's included with the High Speed Buffer:

- (1) High Speed Buffer 1 MB,
- (1) Power Supply (115 or 230 VAC)
- (1) 3½" diskette
- (1) Serial cable 6-ft. (1.8-m)
- female DB25 to female DB25
- (1) User's manual

For these and other components...

Call our expert Technical Support Staff for all your data-communications needs. They'll help you find the best equipment for your application.

Ordering Information

This information will help you place your order quickly.

PRODUCT NAME	ORDER CODE
High Speed Buffer, 1 MB, ...	PI100AE
High Speed Buffer, 4 MB, ...	PI101AE
High Speed Buffer, 5 MB, ...	PI102AE