

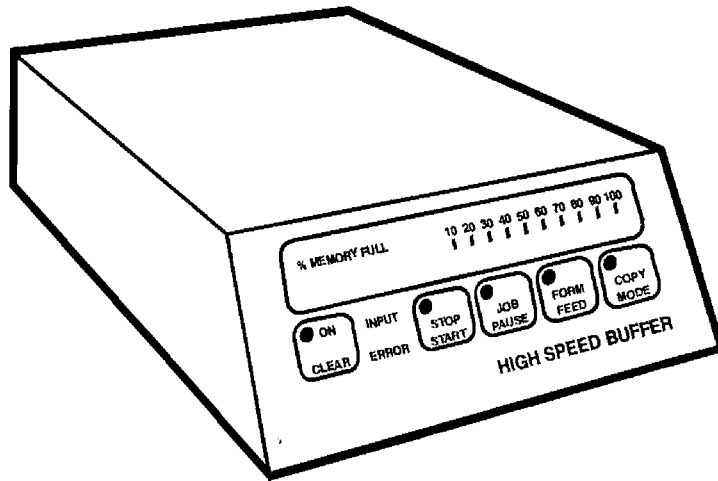


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Black Box Corporation

BLACK BOX®

The Source for Connectivity™

High-Speed Buffer



The one print buffer fast enough to accept big graphics files from your computer at speeds up to 12,500 characters per second!

High speed and high capacity! This Buffer lets you get big graphics files from your PC to your printer or plotter—fast. And accelerator utility software (included) helps your PC download even faster. Your computer is instantly free for the other Work you need to do.

Key Features

- ▶ **Blazing speed**—up to 12,500 characters per second.
- ▶ **Memory you can expand yourself** to 4 MB, just by plugging in a module.
- ▶ **Serial and parallel inputs and outputs**—so it works with your equipment.
- ▶ **Printer-sharing**. Two PCs can share one printer, either serial or parallel.
- ▶ **External DIP switches** for easy configuration without opening the housing.

Overview

Send huge graphics files to your printer—fast. Our High-Speed Buffer takes data at its parallel port at 12,500 characters per second, and at its serial port at 11,520 characters per second!

That's the blast-off speed you need when you're dumping a CAD/CAE (Computer-Aided Design and Engineering) file to your printer or plotter.

And you get utilities software (included) that accelerates your PC's serial output to the Buffer at even higher speeds. Use the plot software (also included) to buffer multiple plotter jobs from AUTOCAD.

Without any buffer, your PC would stay tied up for long periods of time when ever you print big graphics files. An ordinary buffer, because it can't accept data at high speed, wouldn't be much faster. What you need is our High-Speed

Buffer. It's the only one with the input speed to get your PC free in a hurry.

Our Buffer has enough memory for the big jobs, too. Choose a model with 1, 2, 3, or 4 MB of memory. Plus you can plug any combination of our 256K and 1-MB memory-upgrade modules into the Buffer's four expansion slots.

Two workstations—one serial and one parallel—can even share a printer. Our Buffer has a serial and a parallel input, and can output to either a serial or a parallel printer with the flip of a switch.

Setting all this up is easy. The input and output ports on our Buffer are like those on your PC, printer, and plotter.

So when you install it, you can use standard PC and printer cables. You don't have to get special cables.

The DIP switches are on the outside of the buffer. Without opening the housing, you can set baud rate for each port, flow control, output port, and job holdover time (how long the Buffer waits before it determines the print job is finished).

Our Buffer is easy to use, too. It's got all the front-panel controls you expect, plus diagnostics (they're explained on the other side of this data sheet).

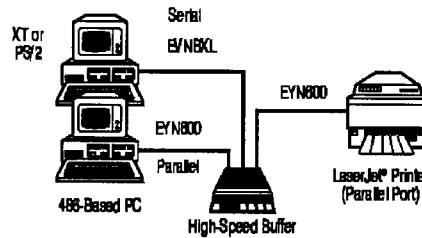
Get the speed and capacity your graphics jobs demand. Get our High-Speed Buffer.

Typical Applications

In a Drafting Department, a serial-PC user and a parallel-PC user can share a single printer, either serial or parallel.

Publishers with book-length text files can move this data to a printer—graphics and all—without tying up a PC forever.

Let a serial and a parallel workstation share a single serial or parallel printer.



Technically Speaking

Front-panel controls

Here's a brief explanation of the Buffer's main front-panel controls.

% Memory Full. This 10-segment display shows the available memory, the results of the diagnostic memory test, and the number of copies you selected.

Stop/Start lets you stop (and resume) the Buffer's output at any time.

Job Pause lets you stop Buffer output at the end of each print job.

Form Feed sends a form-feed command to your printer—or one after each job.

Copy Mode sets the number of copies, up to 255.

Diagnostics

Here are just two of the Buffer's diagnostic functions.

The Memory Test checks all memory circuitry in the Buffer and keeps you informed with LEDs.

The Printer Test gives you a printout of the Buffer's DIP switch positions, memory capacity, input and output baud rate, handshake mode, output mode, and duration of timeouts.

The Complete Package

What you get when you order the High-Speed Buffer.

- ◆ The High-Speed Buffer
- ◆ Utilities software
- ◆ Wallmount transformer
- ◆ User's manual

Specifications

High-Speed Buffer

Indicators — On, Input, Error, Stop, Job Pause, Form Feed, Copy, 10-segment display for memory status and pre-setting number of copies

Flow Control — Hardware; X-ON/X-OFF or ENQ/ACK

Speed — Input: 9.6, 19.2, 38.4, 115.2 Kbps, switch-selectable; Output: 0.3, 1.2, 2.4, 4.8, 9.6, 19.2, 38.4, 115.2 Kbps

Memory — Four models: 1 MB, 2 MB, 3 MB, 4 MB, all field-expandable up to 4 MB

Interface — Input (shared): Serial: RS-232, DTE;

Parallel: Centronics® compatible; Output (switch-selectable): Serial: RS-232, DTE; Parallel: IBM® style DB25 Centronics compatible

Connectors — Input (shared): Serial: DB25 female; Parallel: 36-pin Centronics female; Output (switch-selectable): Serial: DB25 male; Parallel: DB25 female

Power — 9 VDC @300 mA adapter, UL®, and CSA approved

Size — 2"H x 6.1"W x 9.3"D (5.1 x 15.5 x 23.6 cm)

Weight — 2 lb. (0.9 kg)

Additional equipment you may need

- ◆ RS-232 printer cable
- ◆ IBM® PC parallel adapter printer cable (EYN600)
- ◆ XT/PS/2 cable (EYNBXL)

For these and other components...

Call our expert Technical Support Staff for all your 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 Buffers	
1 MB	PI016A
2 MB	PI017A
3 MB	PI018A
4 MB	PI019A
256K SIMM Upgrade.....	PI022
1 MB SIMM Upgrade	PI023