



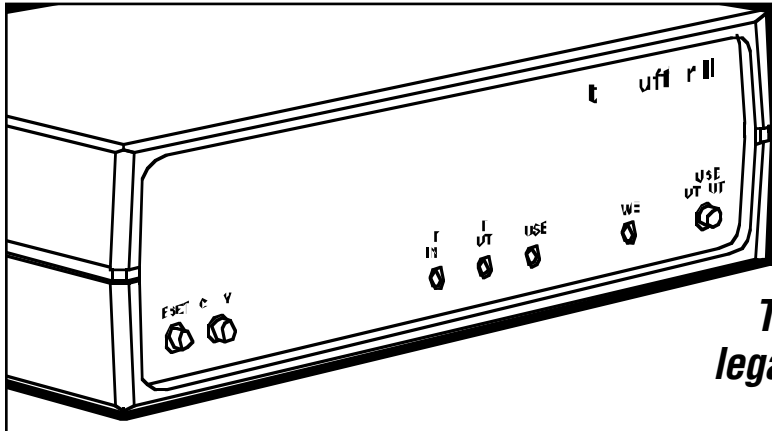
# BLACK BOX

## NETWORK SERVICES

© 2004. All rights reserved.  
Black Box Corporation.

Black Box Network Services • 464 Basingstoke Road • Reading, Berkshire, RG2 0BG • Tech Support: 0118 965 6000 • [www.blackbox.co.uk](http://www.blackbox.co.uk) • e-mail: [techhelp@blackbox.co.uk](mailto:techhelp@blackbox.co.uk)

## DATA BUFFER II AND HS DATA BUFFER II



*The print buffer that keeps your legacy system working at full speed.*

### Key Features

- ▶ **Eliminate bottlenecks between your PC and your printer.**
- ▶ **Expandable up to 2 MB for larger print jobs.**
- ▶ **Prints up to 99 copies of a file.**
- ▶ **Reset button clears all data in the buffer.**
- ▶ **Switch-selectable data rates, flow control, and parity.**
- ▶ **Each port can be configured independently.**
- ▶ **HS model transfers data at speeds up to 115.2 kbps.**

Are legacy DOS systems still doing important work for you? Do they get bogged down printing page after page of data? Now you can clear your screen and get back to work with the Data Buffer II and the HS (High-Speed) Data Buffer II.

These buffers streamline bidirectional communication between two RS-232 devices by buffering data, eliminating bottlenecks between your computer and your printer, plotter, or other serial device.

Each buffer's input and output port can support different baud rates. This, together with proper memory sizing, can completely eliminate the need for flow control at the host, providing fast, efficient, and error-free data flow.

Eight-position DIP switches enable you to set data rates, hardware or software flow control, and parity. Each port can be configured independently.

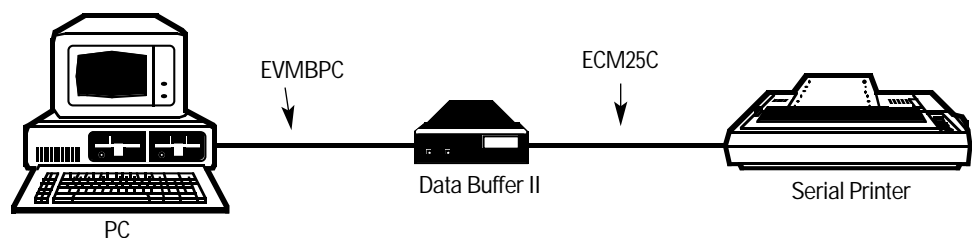
The buffers have multiple-copy capabilities, enabling them to print up to 99 copies of a file. To

cancel a job, a simple press of the reset button cancels all the data in the buffer.

The buffers can generate self-test messages from the output port so you can print out diagnostics on your printer.

Configure the Data Buffer II to accept data at speeds ranging from 300 bps to 19.2 kbps. And the HS Data Buffer II accepts data as fast as your PC can send it at any of 16 selectable data rates ranging from 4800 bps to 115.2 kbps.

### Typical Application



# Specifications

**Compliance:** FCC Class A, Subpart B of Part 15; CSA #863-8703; UL® #206Y

**Data Format:** 8 data bits, no parity; 7 data bits, even or odd parity

**Diagnostics:** Self-test message generated to printer

**Flow Control:** Hardware and/or software

**Leads Supported:** Input Port: DTE, Pins 1, 2, 3, 4, 5, 7, and 20;  
Output Port: DCE, Pins 1, 2, 3, 5, 6, 7, 8, and 20

**Memory:** PI1375A, PI1405A: 128 KB, upgradeable up to 2 MB;  
PI1377A, PI1407A: 512 KB, upgradeable up to 2 MB

**MTBF:** 35,000 hours

**Number of Copies:** Prints up to 99 copies of a file

**Speed:**  
Data Buffer: 300 bps to 19.2 kbps;  
HS Data Buffer II: 4800 bps to 115.2 kbps;  
All: Each serial port independently selectable

**User Controls:**  
(2) Rear-mounted 8-position DIP switches ([1] input, [1] output)

**Interface:** RS-232 async  
ASCII (input port is DTE, output port is DCE)

**Connectors:** (2) DB25 female

**Indicators:**  
HS Data Buffer II: Front-panel LED display for buffer/multiple-copy status

**Temperature:** Operating: 32 to 114°F (0 to 46°C);  
Storage: -40 to +176°F (-40 to +80°C)

**Relative Humidity:** Up to 95%, noncondensing

**Power:**  
110–220 VAC, 50–60 Hz, autosensing

**Size:** 2.4"H x 8.1"W x 6.3"D (6.1 x 20.6 x 16 cm)

**Weight:** 2.5 lb. (1.1 kg)

## Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

### Recognise any of these situations?

- You wait more than 30 minutes to get through to a vendor's tech support.
- The so-called "tech" can't help you or gives you the wrong answer.
- You don't have a purchase order number and the tech refuses to help you.
- It's 9 p. m. and you need help, but your vendor's tech support line is closed.

According to a survey by Data Communications magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a

vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase price for a basic service and support contract, the technical support and service they receive falls far short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Technical Support Experts before you buy if you need help selecting just the right component for your application.

Don't waste time and money—call Black Box today.

## Ordering Information

ITEM	CODE
Data Buffer II	
128 KB, (110–220 VAC, autosensing)	
Serial/Serial .....	PI1375A
512 KB, (110–220 VAC, autosensing)	
Serial/Serial .....	PI1377A
HS Data Buffer II	
128 KB, (110–220 VAC, autosensing)	
Serial/Serial .....	PI1405A
512 KB, (110–220 VAC, autosensing)	
Serial/Serial .....	PI1407A
<i>To expand your buffer's memory, order...</i>	
Memory Expansion	
128 KB .....	PI1300
512 KB .....	PI1301
<i>You may also need...</i>	
For serial output:	
AT® Serial Cable, 10-ft. (3-m) .....	EVMBPC-0010
For serial output:	
RS-232 Cable, 25-Conductor, 10-ft. (3-m), Male/Male .....	ECM25C-0010-MM