



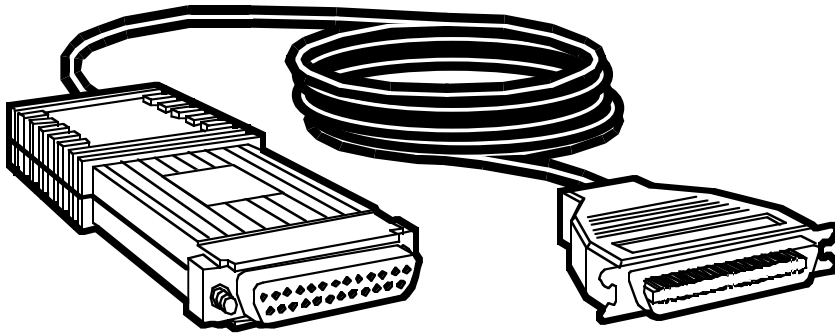
# BLACK BOX<sup>®</sup>

## NETWORK SERVICES

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## SERIAL ↔ PARALLEL CONVERTER (38.4 KBPS)



*Use this converter to connect your parallel printer to your serial PC.*

### Key Features

- ▶ **Converts serial data to parallel data.**
- ▶ **Data rates to 38.4 kbps.**
- ▶ **Built-in 1-kbit buffer prevents data loss.**
- ▶ **Supports both X-ON/X-OFF and hardware flow control.**
- ▶ **DCE/DTE autosensing.**
- ▶ **No AC power or batteries required.**
- ▶ **Compact and easy to install.**
- ▶ **Includes a 6-foot (1.8-m) cable and a Centronics connector.**

Sometimes you just need a plain old printout. Nothing fancy. Nothing that requires expensive printers. Why not just use your tried-and-true printer?

The Serial↔Parallel Converter lets you use your existing parallel printer with your PC's serial port. User-selectable speeds top out at 38.4 kbps, and a built-in 1-kbit buffer keeps data moving along and prevents timing-conflict data loss.

For flow control, the unit converts the parallel BUSY signal to the appropriate signal on the serial interface for hardware or software flow control.

An 8-position DIP switch enables you to control data rate, parity, and data bits. DCE/DTE selection is autosensing.

No extra power or batteries are required. The converter comes with a DB25 female connector on the computer side and a 6-foot (1.8-m) cable ending in a 36-pin male Centronics connector on the printer side.

### Specifications

**Data Format:** 7 data bits, even or odd parity; 8 data bits, no parity; 1 or 2 stop bits; selectable via 8-position DIP switch

**Flow Control:** Serial: Hardware or software (X-ON/X-OFF); Parallel: Hardware (BUSY/ACK)

**Leads Supported:**  
Serial: Pins 1-9, 11, 19, 20;  
Parallel: Pins 1-11 active; 16-19, 30, 33, 36 ground

**Operation:** DTE/DCE autosensing

**Serial Data Rates:** 300, 600, 1200, 2400, 4800, or 9600 bps; 19.2 or 38.4 kbps

**Connectors:** Serial: (1) DB25 F; Parallel: (1) 36-pin Centronics<sup>®</sup> M attached to the end of 6-ft. (1.8-m) connector cable

**Interface:** Asynchronous RS-232 serial and Centronics parallel

**Operational Environment:**  
Temperature: 32 to 140°F (0 to 60°C);  
Humidity: 5 to 95% noncondensing;  
Altitude (maximum): 10,100 ft. (3078.5 ft.)

**Power:** From RS-232 interface; Pins 9 or 8, 6, 5, 4, 3, 2 or 20

**Size:** 0.9"H x 2.1"W x 4.3"D (2.3 x 5.3 x 10.9 cm)

### Ordering Information

| ITEM                                       | CODE      |
|--|-----------|
| Serial↔Parallel Converter (38.4 kbps)..... | PI080A-R2 |