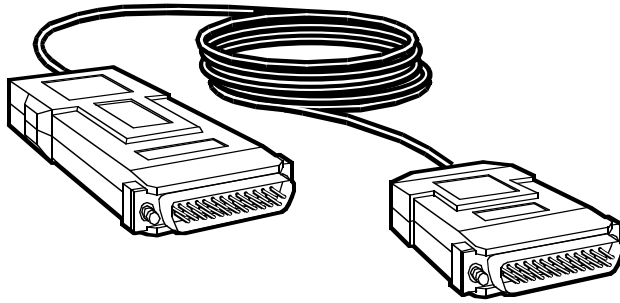


BLACK BOX[®]

NETWORK SERVICES

Parallel to Serial Interface Converters



Enjoy hassle-free connection between your IBM PC and a high-quality printer.

Specifications

Data Format — IBM PC Parallel or compatible parallel to async serial

Flow Control — PI048A: To the PC: When the buffer is full, the BUSY pin (pin 11 of the parallel interface) signals the PC to halt the transmission of data; From the printer: When the printer wants to stop the Converter from transmitting data, it signals to the Converter in one of two ways (or both):

- 1) Hardware flow control (pin 11 or 20)
- 2) Software flow control (X-ON/X-OFF, DC1/DC3)

Data Rate — PI047A: 300, 600, 1200, 2400, 4800, and 9600 bps selected by internal strap; PI048A: 300, 600, 1200, 2400, 4800, 9600, and 19,200 bps switch-selectable

Connectors — (2) DB25 male

Asynchronous Characters — 7 or 8 data bits, one stop bit

Parity — Even, odd, or no parity

Cable Length — 2 m

Operating Temperature — 0 to 50° C

Relative Humidity — 10 to 95% noncondensing

Power — PI047A: No AC power supply required; Uses ultra-low power derived from the RS-232C/V.24 data and control signals; PI048A: Power is derived directly from the PC through a power adapter supplied with the unit, or from a wall-mounted transformer that can supply at least 100 mA DC between 5V and 9V

Size — 2.3 x 5.3 x 10.9 cm

Weight — 0.4 kg including cable and connector

Technically Speaking

Connect your IBM PC or compatible to a high-quality printer with these Parallel to Serial Converters. And you won't need to add an extra card or use an additional slot in your PC.

Data from the PC is strobed to the Interface Converter and is internally converted into an async serial format. Using the Line-Powered Parallel to Serial Interface Converter, the printer can halt transmission from the PC by signaling OFF to pin 20, 11, or 5 (selectable). Using the PC-Powered Parallel to Serial Interface Converter, two types of flow control are used: Hard (activating a control signal), or Soft (X-ON/X-OFF).

The data rate is strap-selectable from 300 bps to 9.6 Kbps for the PI047A, and from 300 bps to 19.2 Kbps for the PI048A.

The PI047A operates without AC power. It uses ultra-low power from the RS-232C/V.24 data and control signals. The PI048A receives power from the PC through an external power adapter (included).

Both units are compatible with all async character formats using 7 or 8 data bits and 1 stop bit, and operate with even, odd, or no parity.

Installation is simple, with two DB25 male connectors for direct connection to the computer and printer.

Ordering Information

This information will help you place your order quickly.

PRODUCT NAME

ORDER CODE

Parallel to Serial Interface Converters

Line Powered.....PI047A