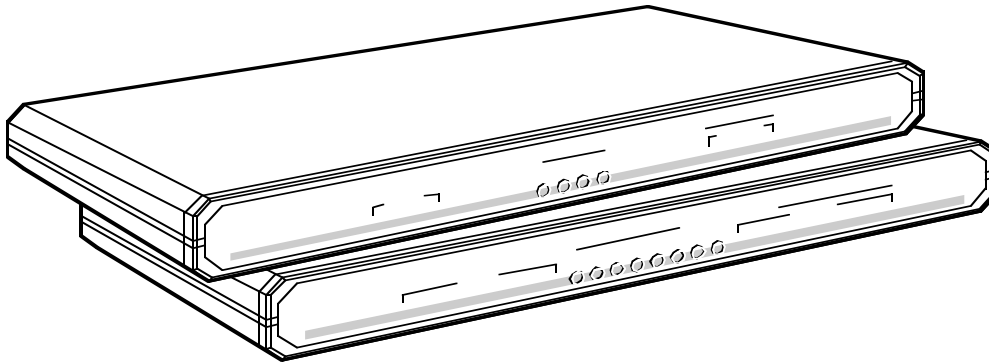


# BLACK BOX<sup>®</sup>

## NETWORK SERVICES

### PSD-4 and PSD-8



*Now one CPU port can handle all your modems and terminals.*

*Choose a four- or eight-port Programmable Sharing Device.*

#### Key Features

*Reduces line costs.*

*Includes anti-streaming capability.*

*Supports synchronous or asynchronous equipment.*

*Supports speeds up to 19.2 Kbps.*

*Includes a built-in buffer.*

*Features flexible contention methods.*

*Easy to install.*

#### Overview

With the Programmable Sharing Device (PSD), you can connect any combination of four or eight terminals to one port on your IBM<sup>®</sup> host—and slash your line costs. Or you can let four or eight terminals share a modem—or four or eight modems or terminals share a mux. No matter what type of combination you choose, you save money.

An anti-streaming feature reduces downtime, too. The PSD senses data streaming and automatically disables the faulty channel. Now, you won't have to worry about leased-line noise causing a constant transmission that overloads all the channels and stops data flow.

The PSD is transparent to any system. It works with synchronous or asynchronous equipment at data rates of up to 19.2 Kbps. It also generates internal timing signals or gets its clocking externally from subchannels. A 16-bit

buffer accommodates clocking differences.

Lock out idle ports manually or automatically. You can set the PSD to disable an "active" port on which no data has been sent for a preset length of time anywhere from 1.7 to 108 seconds. You can also disable a port via a front-panel switch.

Flexible contention methods make our PSD easy to use when the usual signals aren't available. Choose RTS, DCD, or actual data signals to control contention.

Best of all, installing the PSD takes just minutes and requires only a straight-through cable.

#### Typical Applications

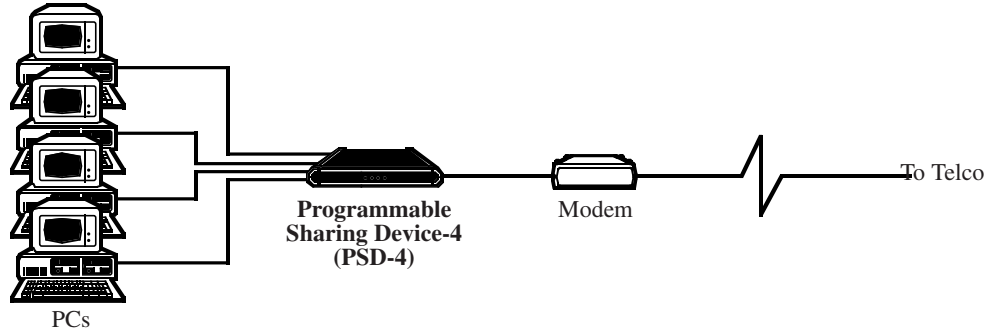
*Don't buy dedicated modems or muxes for infrequent users. Use the PSD-4 and let up to four users share one modem or mux.*

*Use the PSD-8 to connect multiple devices, such as modems and controllers, to your AS/400<sup>®</sup>.*

Crossover connections are done inside the unit and controlled by a DTE/DCE switch. The PSD also includes an LED that shows automatic disabling.

Note: Asynchronous and synchronous equipment cannot be mixed on the same PSD.

Save on equipment costs. Use the PSD-4 and let infrequent users transmit and receive data via one modem.



## Technically Speaking

The PSD supports three clock modes: internal, external from the main channel, or external from sub-channel 1.

A built-in buffer compensates for phase differences between modem clocks that are connected to the subchannels and the PSD's main-channel

transmit clock. You can activate an extra buffer option on the PSD-8 when it's connected to equipment that cannot accept an external clock, such as DDS (in the United States).

You can use side-panel brackets to install the PSD in a 19"

rack. The brackets can be removed without harming the PSD.

The PSD includes four LEDs. POWER lights when the device is receiving AC power. DATA lights when data is broadcast from the main channel to the sub-channels. ACTIVITY lights when a

sub-channel accesses the main channel. AUTOMATIC lights when a sub-channel has been automatically disabled.

### Specifications

**Contention Type** — Control (RTS or DCD) or data signals

**User Channels** — 4 or 8

**Speed** — Up to 19.2 Kbps

**Operation** — Synchronous or asynchronous

**Clock** — Internal (self-generated) or external (supplied by DTE or DCE)

**Indicators** — PSD-4:  
(1) ON/OFF, (4) Channel Activity, (4) Channel Disable; (1) displays data broadcast from main channel to subchannels; PSD-8: (1) ON/OFF, (8) Channel Activity, (8) Channel Disable; (1) displays data broadcast

from main channel to subchannels

**Interface** — RS-232/CCITT V.24

**Connectors** — PSD-4:  
(5) DB25 female; PSD-8:  
(9) DB25 female

**Power** — 115/230 VAC, 60/50 Hz, 10 watts (230-VAC model available on request)

**Size** — PSD-4: 1.8"H x 14"W x 10.5"D (4.6 x 35.6 x 26.7 cm); PSD-8: 1.7"H x 17" x 8.2"D (4.3 x 43.2 x 20.8 cm)

**Weight** — PSD-4: 5.5 lb. (2.5 kg); PSD-8: 4.4 lb. (2 kg)

**The Complete Package**  
*What you get when you order the Programmable Sharing Device:*

- Programmable Sharing Device-4 or -8
- User's Manual

For these and other components...  
*Call your EAZY Reseller for more information. They'll help you find the best equipment for your application.*

**Additional equipment you may need**

- Straight-Through RS232 Cable

## Ordering Information

*This information will help you place your order quickly.*

PRODUCT NAME	PRODUCT CODE
Programmable Sharing Device-4.....	TL304A
Programmable Sharing Device-8 .....	TL305A