



Electro Standards Laboratories
ADVANCED SYSTEMS DESIGN & SERVICES



SPECIFICATIONS

MODEL 8982

(Cat. No. 302077)



Model 8982 7-to-1 Broadcast Sharing Unit with Cascade Port

- Multiple units can be cascaded to allow an expansive broadcast network.

INTRODUCTION

The PathWay® Model 8982 RS232 / DB25 7-1 Broadcast Sharing Unit permits RS232 data broadcast from a single device connected to the COMMON port among seven devices connected to Ports 1-7 simultaneously.

The PathWay® Model 8982 operates in a polling environment where Port 1-7 devices are polled for data. Based on the content of the data sent from the Common Port device, the appropriate connected device responds.

Status LED indicators on the top of the unit display the signal activity of each port, and a separate LED indicator represents the status of power connected to the unit.

OPERATION

The Model 8982 supports seven signals of the RS232 / DB25 interface; pins 2 (TD), 3 (RD), 4 (RTS), 5 (CTS), 7 (SG), 8 (DCD), and 20 (DTR). All of these signals are received and re-driven through the unit to ensure that the signal is not loaded down or transmission degraded in any way.

FEATURES:

- A "BROADCAST-TYPE" port sharer.
- Use a single phone line and modem to share up to seven RS232 devices.
- Multiple units can be cascaded to create a more expansive broadcast network.
- Run asynchronous, half or full duplex.
- Transparent to data rate up to 64 Kbps.
- Leads supported are 2 thru 8 and 20.
- For a "CONTENTION-TYPE" port sharer, see Model 4441, Cat. No. 304441.

Signals on the COMMON port		
DB25	RS232 Signal	Signal Direction
2	TD	←OUT
3	RD	→IN
4	RTS	←OUT
5	CTS	→IN
7	SG	—
8	DCD	→IN
20	DTR	←OUT

Signals on each of the 7 Sharing Ports		
DB25	RS232 Signal	Signal Direction
2	TD	→IN
3	RD	←OUT
4	RTS	→IN
5	CTS	←OUT
7	SG	—
8	DCD	←OUT
20	DTR	→IN



Model 8982

Cascadable Broadcast Sharing Unit



SPECIFICATIONS:

PORT CONNECTORS: All Port and Common connections are DB25 female.

DISPLAY: (7) PORT LED's and one POWER LED displays status and activity.

POWER: UL Approved 100VAC/240VAC, 50Hz/60Hz wall mount power module supplies 12 VDC, 500 mA, to the unit. (Cat No 523520)

DIMENSIONS: 8.0" W x 2.5" H x 8.0" D.
(20.3 x 6.4 x 20.3 cm)

WEIGHT: Approximately 2.5 lbs. (1.1 kg)

WIDE RANGE POWER OPTION AVAILABLE:

(Cat No 514296) CE and UL listed table mount power module, 100VAC/240VAC, 50Hz/60Hz in place of standard 115VAC or 120VAC power module. Ideal for international applications.

Send asynchronous data to as many as thirteen printers, PC's, plotters or other "receive only" slave devices.

PathWay® Model 8982 Sharing Application: CASCADING 7 OR 13 DEVICES

