**DESCRIPTION**

The SPL series of statistical multiplexers are available with 2 to 14 channels in 2 channel increments. All port parameters are set either with an asynchronous terminal or with DIP switches and are battery maintained. The network management port provides local and remote unit setup, system statistics, local and remote testing, an online manual and the ability to do remote system training.

The SPL offers 64 Kbps synchronous network capability as a standard feature. Speeds of up to 38.4 Kbps are supported for asynchronous network installations.

“Copy” simultaneously connects the network management port and a remote port to the same computer port. “Copy” is used to train new remote users and perform remote application support with a significant cost savings.

The SPL is the only multiplexer designed to be used in either dial or leased line applications. DCB “One-Touch” dialing allows the user of any remote device to cause the line to be dialed by touching the space bar or return key on any remote device. After a pre-determined time with no activity, the line automatically disconnects. This is ideal for ISDN and dial-up modem lines with metered line usage. Low usage sites can now be connected without the high cost of full-time data lines. Error correction in the SPL may be disabled for use with error correction/data compression modems with speeds up to 38.4 Kbps. A disconnect timeout can be set to disconnect the dial call after a period of inactivity on all ports.

A 15 character ID can be set to assist in circuit identification. Any port, local or remote, can be captured. With the built-in “Data Scope” function a user can monitor the transmit or receive of any data port. Network and individual port loopbacks are available. Statistics include activity counters and a flow control report. The last reset and last zero of activity counters are date and time stamped by the on-board real time clock/calendar.

Hardware and Xon/Xoff flow control are selectable on a port-by-port basis. The SPL multiplexers perform speed and/or flow control conversion. Different port rates and/or flow control options may be set at each end.

**FEATURES**

- Individually configured asynchronous ports
- Port speeds to 38,400 bps
- Network speeds to 64 Kbps
- Network Management Port
- Remote set up and testing
- Composite is full duplex synchronous or asynchronous
- 2 to 14 channels
- “Copy Command” for remote training
- ISDN ready and has “One-Touch” dial for metered ISDN
- May be used with dial-up modems which perform error correction and/or data compression
SPECIFICATIONS

General
Asynchronous Statistical Multiplexing
2 to 14 channels
Aggregate Input Speed: To 268,800 bps

Port Specifications
Data Format
1 Start bit 1 Stop bit 10 Bits total
8 Data bits including parity if used
Rates: 300, 1200, 1800, 2400, 4800, 9600, 19200, 38400 bps individually selectable
Interface: CCITT V.24, RS-232-D
Connectors: DB-25 female
Buffering: 64K dynamically allocated
Flow Control: Set on an individual port basis
Xon/Xoff: Busy High
Clear to Send: Busy Low
Auto Dial: Control of asynchronous auto dialing through all ports

Physical/Electrical
Power requirements: 120 VAC, 30-43 Watts, .25-.36 Amps
10 1/4" x 9 3/4" x 2 1/4" (2-6 channels)
10 1/4" x 9 3/4" x 4 1/2" (8-14 channels)

Network Specifications
Rates (asynchronous): 300, 1200, 1800, 2400, 4800, 9600, 19200 or 38400 bps
Rates (synchronous): Follows modem clock signals to 64 Kbps
Interface: CCITT V.24, RS-232-D
Connector: DB-25 male
Error Correction: Automatic retransmission

Operating Modes
Normal on-line multiplexing
Network loopback
Dial-through-terminal dialing
Bypass-connection to unmultiplexed modem
DCB “One-Touch” dialing

Indicators (front panel)
Power, Transmit Condition, Receive Error, Multiplexing & Test
Port Transmit & Receive Data, Port Error, Port Loopback, Buffer Overflow, and Switch/memory configuration different

Network Management Port
Interface: CCITT V.24, RS-232-D
Connector: DE-9 female
Can be mapped to Port 1

Network Management Port Commands
Help Screen LOCAL & REMOTE: Help Network Show Configuration
Help Ports Show Network
Executive Parity Configure Ports
Remote Test Loop Device Type
Monitor Transmit Set ID
Monitor Receive Reset
Network Loopback Capture Port
Flow Control Active Copy Command
Disconnect Timeout Test Message
Set Time Activity Counters

APPLICATION

CPU
SPL
Dial-up modem
Leased line modem or DSU
SPL Mux

In dial up Point-to-Point applications, the SPL will “disappear” if the remote end does not have a Multiplexer