SPL HUB

Concentrator for SPL and SR multiplexers

FEATURES

- **Concentrates up to 8 SPL or SR Multiplexer outputs over a single telephone line**
- **Synchronous network link to 64 Kbps**
- **Port speeds to 38,400 bps**
- **Synchronous or asynchronous tail circuits**
- **Reduces monthly leased line charges**
- **Network management port**
- **Individual port IDs**
- **Remote set up and testing**
- **2 to 8 channels**
- **No additional network overhead**

DESCRIPTION

The SPL HUBs concentrate 2 to 8 SPL or SR multiplexers over a synchronous full duplex composite up to 64 Kbps. Users can use a “star” or “straight line” configuration to distribute clusters of terminals and printers in a economical way. HUBs eliminate multiple communication lines to a locale or the duplication of communication line services on a “straight line” application. Savings on recurring line charges quickly pay for the HUB system and reduce the total fees subject to rate increases.

The SPL HUBs use a statistical time division method to concentrate the SPL or SR multiplexer composites. This method insures full bandwidth utilization and no degradation in response to the users attached to the multiplexers. The only limiting factor is the speed of the composite. With the availability of 56/64 Kbps digital service at “analog prices” users can take full advantage of this high speed service offering and save money.

Port connections to the SPL HUB can be direct connect SPL or SR multiplexers, synchronous or asynchronous, leased or dial-up lines, conventional or short haul modems, or digital service up to 38,400 bps. The flexibility of the HUB allows the user to tailor the system to take advantage of local line offerings and pricing white saving on overall communications costs.

In the “star” configuration, SPL HUBs allow up to 8 SPL or SR multiplexers spread throughout a remote metropolitan area or building to share 1 high speed communication line back to the host site. This configuration eliminates the duplicate communication lines to a single metropolitan area.

In the “straight line” configuration, the SPL HUBs allow the connection of three sites in a “straight line” without duplicating the communication line to the first remote site. This capability can save significant communication costs especially if the first remote site is a significant distance from the host site.

DCB SPL Hub

SPECIFICATIONS

General
Statistical multiplexing of SPL or SR composites
2, 4, 6 or 8 ports

Port Specifications
Synchronous Rates: Follows modem clocks to 38400 bps
Asynchronous Rates: 300, 1200, 2400, 4800, 9600, 19200, and 38400 bps individually selectable per port
Interface: CCITT V.24, RS-232-D
Connectors: DB-25 female
Buffering: 64K dynamically allocated
Tail Circuits:
Must be full duplex
May be leased line, dial-up or digital
May be asynchronous or synchronous

Network Specifications
Rates: Follows modem/DSU clock to 64 Kbps synchronous
Interface: CCITT V.24, RS-232-D
Connector: DB-25 male

Operating Modes
Normal on-line
Network loopback

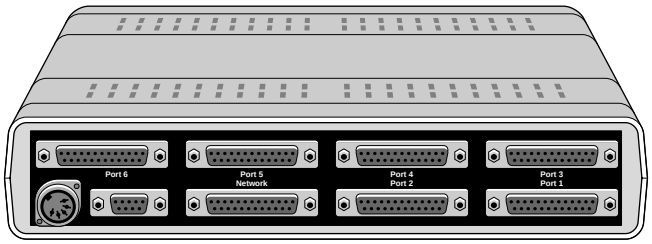
Indicators (front panel)
Power, Transmit Condition, Receive Error, Multiplexing, Test, Port Activity

Network Management Port
Interface: CCITT V.24, RS-232-D
Connector: DE-9 female

Network Management Port Commands

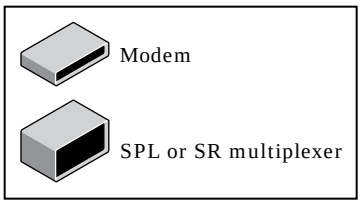
Help Screen	*LOCAL & REMOTE:*
Help Ports	Show Configuration
Executive Parity	Configure Ports
Network Loopback	Device Type
Set Time	Identification
	Port ID
	Reset

Physical/Electrical
Power requirements: 120 VAC, 30-40 Watts, .25 - .36 Amps
10 1/4" x 9 3/4" x 2 1/4" (2-6 ports)
10 1/4" x 9 3/4" x 4 1/2" (8 ports)



Rear view of DCB SPL Hub

APPLICATION



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