Low Cost 4 channel multiplexer, available with optional DSU

FEATURES

- **Low Cost - $695 list**
- **Optional internal 56 Kbps DSU/CSU**
- **Optional frame relay FRAD firmware**
- **Port speeds to 57.6 Kbps**
- **Synchronous composite to 128 Kbps**
- **Network Management Port**
- **Remote set up and testing**
- **Composite is full duplex asynchronous, synchronous, analog modem (leased line or dial-up) or digital**
- **4 async channels**
- **Test message generation**
- **"Data Scope" functions to allow monitoring of any data port**
- **"Copy Command" for remote training**
- **Composite link is error corrected**

DESCRIPTION

The SR-04 statistical multiplexer concentrates 4 asynchronous channels over a synchronous or asynchronous composite. All port parameters are set with an asynchronous terminal connected to the network management port or port 1. Set-up procedures are menu driven and fully explained on screen. All configuration parameters are battery supported through power outages.

The asynchronous ports can be individually set for speeds to 57.6 Kbps. Hardware (CTS/Busy high or low) or software (Xon/Xoff even, odd, mark, space or transparent) flow control is also set on a port by port basis.

The SR-04 composite is asynchronous or synchronous full duplex lines either analog or digital. The composite can be run at speeds up to 128 Kbps synchronous or 115.2 Kbps asynchronous. The composite may be used through analog leased lines, dial-up modems, ISDN TAs, radio modems, digital DSUs, or equivalent links.

The network management port includes local and remote configuration commands. The Show Configuration Commands allow the system manager to view the configuration settings of both the local and remote SR-04 Multiplexers. Network management features include port and composite loopbacks, capture of a remote or local port, send a test message to an individual local or remote port, set multiplexer ID for node identification and a built-in "data line monitor" which allows the monitoring of the transmit or receive lines at the local multiplexer. A unique feature of the SR multiplexer is the Copy Command. This command allows a trainer at the host site to "copy" any local or remote port to view exactly what the user is entering. This feature can save thousands of training dollars by eliminating travel expenses.

The SR-04 multiplexer has a side panel access for firmware cartridge installation. This feature simplifies installation of upgrades for new features and functions.

The SR-04 is compatible with virtually all async terminal-printer/computer links. You can save thousands of dollars by concentrating your terminals on one line while delivering top performance. In addition, with features like the loopback, test message, ID, monitor and copy commands, you can take charge of your network like never before.

SPECIFICATIONS

General
Asynchronous Statistical Multiplexing
4 channels
All ports can be 57,600 bps

Port Specifications
Data Format
    1 Start bit
    8 Data bits including parity if used
    1 Stop bit
    10 Bits total
Rates: 300, 1200, 1800, 2400, 4800, 9600,
19200, 57,600 bps individually selectable
per port
Interface: CCITT V.24, RS-232-D
Connectors: RJ-45 (8-wire)
Buffering: 64K dynamically allocated
Port Flow Control:
    Set on an individual port basis
    Xon/Xoff
    Clear to Send
    Busy High
    Busy Low

Network Specifications
Rates: Follows modem clock signals to 128
Kbps synchronous, 115.2 Kbps asynchro-
nous
Interface: CCITT V.24, RS-232-D
Connector: RJ-45 (per EIA/TIA 561 spec for
RS-232 in a modular 8 position connector)
Error Correction: Automatic retransmission
Network to modem/DSU cable included

Operating Modes
Normal on-line multiplexing
Network loopback

Indicators (front panel)
Power, Multiplexing, Receive Error, Modem
Ready, Option, Port 1 Setup, Loopback

Network Management Port
Interface: CCITT V.24, RS-232-D
Connector: RJ-45 (8-wire)
Can be mapped to Port 1
Network Management Port to terminal
cable included

Network Management Port Commands

Help Screen	*LOCAL & REMOTE:*
Remote Test Loop	Show Configuration
Monitor Transmit	Show Network
Monitor Receive	Configure Ports
Network Loopback	Port Loopback
Flow Control Active	Device Type
Set Time	Reset
	Capture Port
	Copy Port
	Send Test Message
	Activity Counters

Physical/Electrical
Power requirements: 120 VAC, 30-43
Watts, .25-.36 Amps
$10^{1/4}$" x $9^{3/4}$" x $2^{1/4}$"

Options
56 Kbps internal DSU/CSU
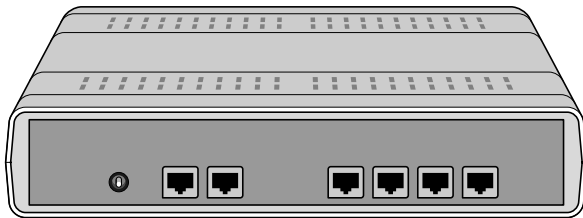
Rear view of DCB SR-04 Multiplexer

APPLICATION

Terminals

SR

Modem
or DSU

Analog, Digital
or Frame Relay

Modem
or DSU

SR

CPU
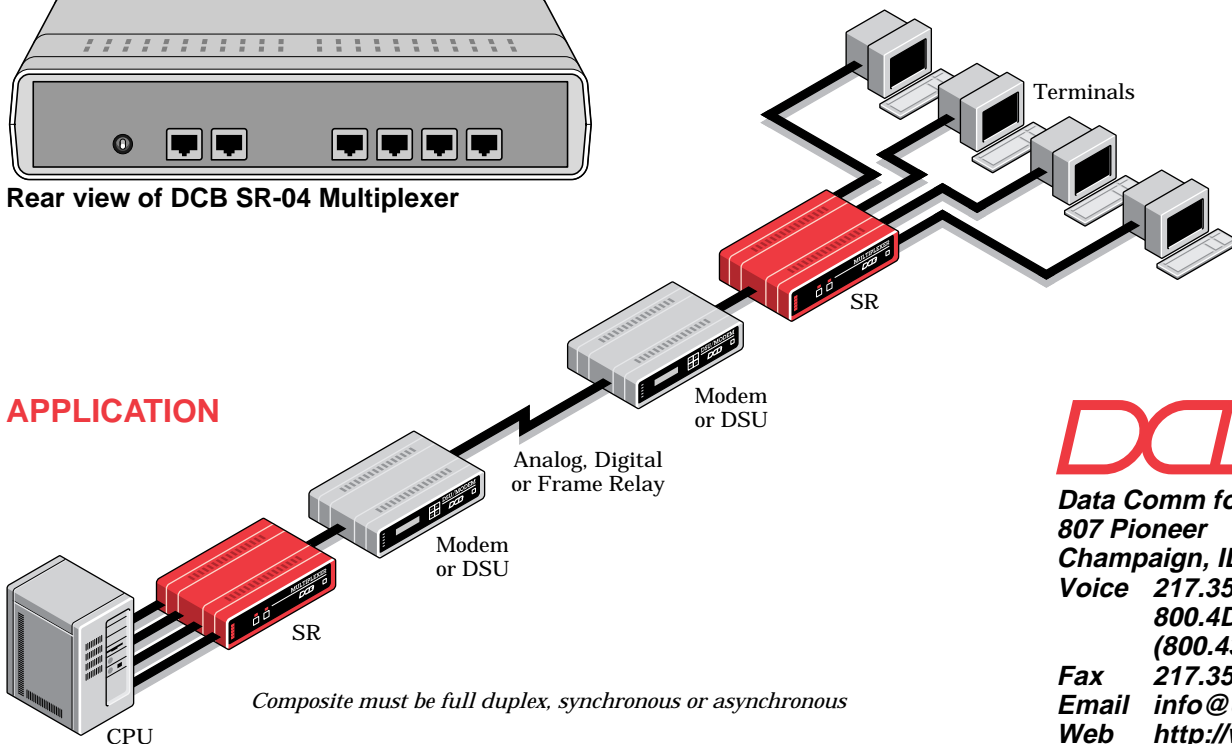
Composite must be full duplex, synchronous or asynchronous

DCB

Data Comm for Business, Inc.
807 Pioneer
Champaign, IL 61820
Voice   217.352.3207
**   800.4DCBNET**
**   (800.432.2638)**
Fax   217.352.0350
Email   info@dcbnet.com
Web   http://www.dcbnet.com