



# WIRELESS STATISTICAL MULTIPLEXER

*Wireless 4 channel multiplexer*



## FEATURES

- Low Cost - \$1,895 list
- Up to 15 mile range with optional antennae
- 900Mhz ISM band
- No license required
- Port speeds to 57.6 Kbps
- Network Management Port
- Remote set up and testing
- Composite link speed is 57.6Kbps
- 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-04W statistical multiplexer concentrates 4 asynchronous channels over a single radio link. 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 a wireless link that runs at 57.6 Kbps. It transmits on the 900 Mhz license-free ISM band. The link radio modules are easily configured using a terminal or PC connected to the network management port or port one. Range is 1000 feet indoors using supplied antennae or up to 15 miles with optional external antennae.

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

The SR-04W is compatible with virtually all async terminal-printer/computer links. You can save thousands of dollars by concentrating your terminals on one wireless link 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.

# DCB Wireless Statistical Multiplexer

## 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  
900Mhz ISM Band:  
Rate: 57.6 Kbps Asynchronous  
Frequency Range: 902-928 Mhz  
Spreading Function: Frequency Hopping,  
100 channels  
Output Power: 1 W (+30dBm)  
Range: Standard Antennae 1000 Ft.  
(Up to 15 miles with optional  
antennae)

Operating Modes  
Normal on-line multiplexing  
Network loopback

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

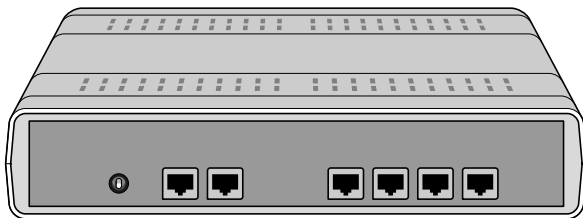
Network Management Port  
Interface: CCITT V.24, RS-232-D  
Connector: RJ-45 (8-wire)  
Can be mapped to Port 1  
Network Management Port to terminal  
cable included

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

Radio parameters are configurable through  
a command line interface

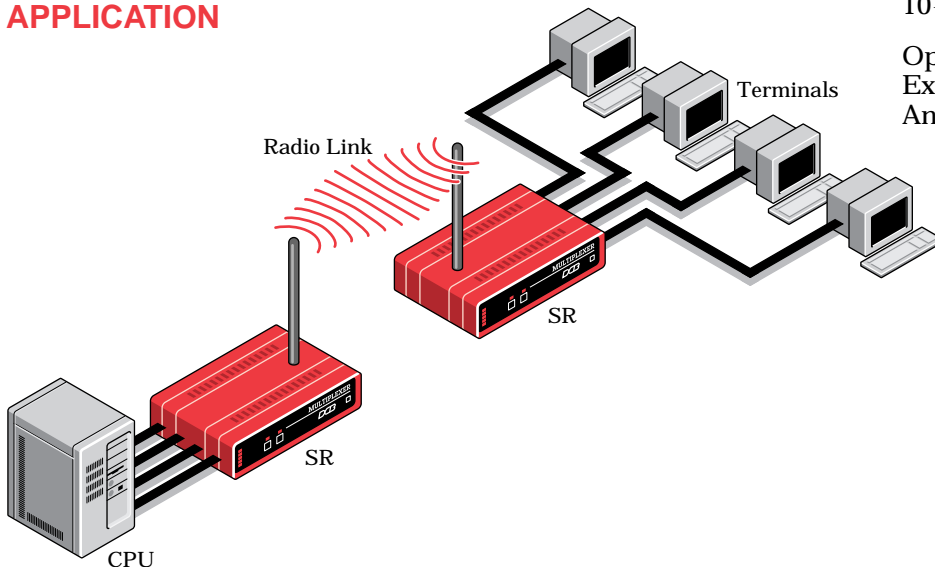
Physical/Electrical  
Power requirements: 120 VAC, 30-43  
Watts, .25-.36 Amps  
10<sup>1</sup>/<sub>4</sub>" x 9<sup>3</sup>/<sub>4</sub>" x 2<sup>1</sup>/<sub>4</sub>"

Options  
External Antenna  
Antenna Cable



Rear view of DCB SR-04W Multiplexer

## APPLICATION



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