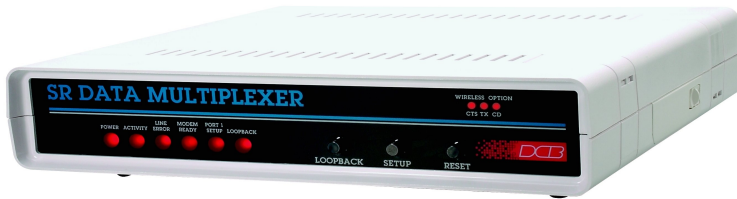




Voice-Data Multiplexer SR Voice/Fax- Data Multiplexer



FEATURES

- 1, 2, or 4 voice channels
- FSX, FXO, and E&M interfaces
- Toll quality voice at 7.2 Kbps
- Group 3 9600 bps fax
- Point to point operation
- Use over IP networks with Etherpath option
- Async composite up to 115.2 Kbps
- Sync composite up to 128 Kbps
- Available with 8 async data ports
- Use over DSU, modem, ISDN, frame, wireless links

GET ALL 3 INTERFACES ON EACH VOICE CHANNEL

Each voice channel of the SR-VM comes standard with all three voice interfaces: FXS, FXO, and 4-wire E&M. This feature gives the following benefits:

- Easy to order because all interfaces are included
- Less spare equipment to carry in the field
- Eliminates hardware interface changes in the field
- You always have the right interface on site
- Flexible for when your network configuration changes

DESCRIPTION

The DCB SR Voice Multiplexer supports 1, 2, or 4 voice channels over sync or async links. In addition, the SR-VM is also available with 8 async data ports. The SR-VM will operate over DDS links, dial-up or private line modem links, ISDN, wireless modems, etc. The SR-VM can operate point to point over IP networks using the DCB Etherpath serial server. The SR-VM gives you toll quality voice using voice compression and digital echo cancellation. The fax function gives the user Group 3 fax transmission at 2.4 to 9.6 Kbps over the voice channel.

The voice I/O cards have three RJ connectors per voice port for FXS, FXO, and E&M (Ear and Mouth) interfaces. The E&M interfaces are 4-wire E&M. The FXS interface connects to stations, which can be phones and key phone systems. The FXO interface connects to phone switches, such as phone company central office switches and PBX ports. The SR-VM supports off premise extension applications (FXO to FXS), Private Line Automatic Ringdown (FXS to FXS) and tie lines (E&M to E&M).

The data port option gives the user 8 statistically multiplexed async ports at speeds up to 38.4 Kbps each. The async ports have full flow control capabilities, supporting Clear to Send, Busy and Xon/Xoff. Each port can be set to a different speed. Data ports can be set to different speeds at each end of the link.

The SR-VM is easy to setup using the asynchronous network management port. Every SR-VM is shipped with adapters for connecting the network management port to either a PC (9 pin adapter) or to a terminal (25 pin adapter). Setup commands are simple and easy to understand. Help is always available by entering "h", "help" or "?". Setup is usually as simple as plugging in a telephone. If a particular system requires different phone audio levels, the SR-VM provides the option of changing the voice in and voice out levels.

Voice-Data Multiplexer

SPECIFICATIONS

General

Rates: Voice is compressed at 7200 bps Optional voice rates: 4800, 5333, 6400, 8000 and 9600 bps
Group 3 fax at 2400 to 9600 bps over voice ports
Statistical Multiplexing
0 or 8 channels
Ports can be set up to 38,400 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, 38400 bps individually selectable per port
Interface: CCITT V.24, RS232, Optional RS422/RS232 external adapter
Connectors: RJ45 (8-wire)
Buffering: 64K dynamically allocated
Port Flow Control: Set on an individual port basis for Xon/Xoff or Clear to Send

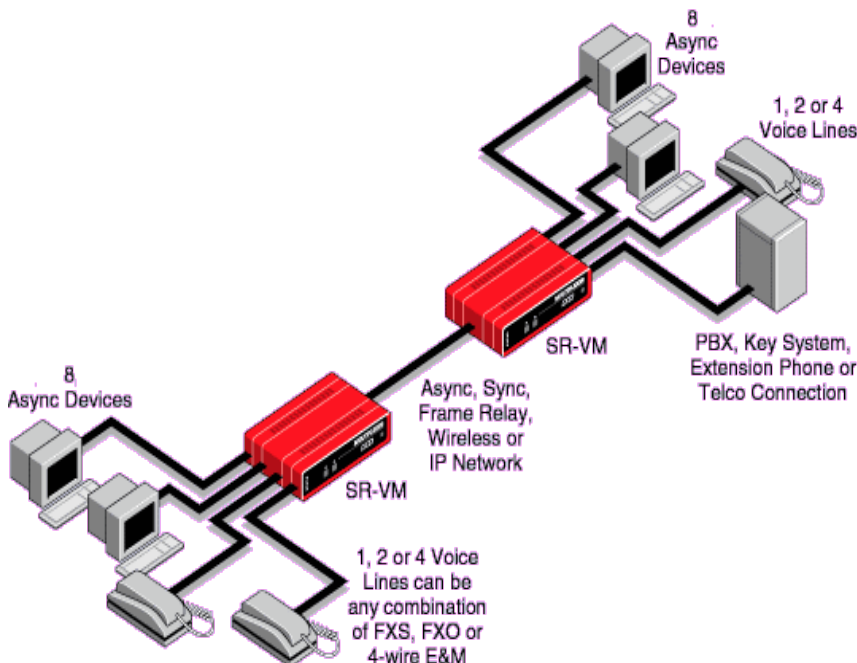
Network Management Port

Interface: CCITT V.24, RS232
Connector: RJ45 (8-wire)
Network Management Port to terminal cable included

Voice Ports

3 - RJ45 jacks per voice channel
Voice cards are FXS, FXO and E&M

APPLICATION

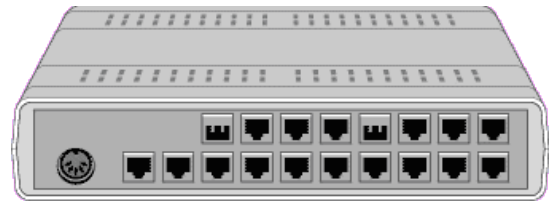


Controls and Indicators

Front panel push button for loopback
Side door accessible firmware cartridge firmware upgrades
Setup via 9600 bps async network management port or "Port One Setup" (if optional data ports are installed)
DIP switch settings on rear to select FXS, FXO or E&M
Power, Activity, Line Error, Modem Ready, Port 1 Setup, Loopback

Physical/Electrical

Power requirements: 120 VAC, external power supply. 240 VAC, 24 VDC and 48 VDC also available
50/60 Hz, 18 Watts
10 1/4" x 9 3/4" x 2 1/4" and 10 1/4" x 9 3/4" x 4"
Operating Temperature: -40C to +70C
Weight: 1 pound



Rear view of SR-VM with 8 data ports and 2 voice ports



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