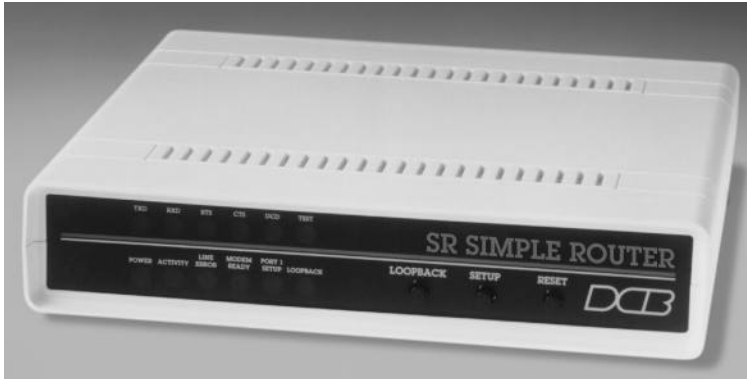




PPP-SRDSU

“Simple Router” with 56/64 Kbps DSU/CSU for 1 to 4 remote PCs



FEATURES

- **“Simple Router” for 1 to 4 PCs**
- **Remote end solution to reduce equipment cost and maintenance**
- **56/64 Kbps DSU**
- **1 or 4 async RS-232 ports to 57,600 bps**
- **Use over DDS or Frame Relay**
- **Ideal for Internet or intranets**
- **Reliable, high speed private line service alternative to dial up modems**
- **Cost effective versus router + NIC + DSU**
- **“AT” command spoofing for Microsoft Windows95 and similar dialers**
- **Converts async PPP to sync PPP or Frame Relay**

DESCRIPTION

The DCB PPP-SRDSU replaces a DSU, router and Ethernet network interface card (NIC) at remote locations for one to four PCs connecting to a corporate network or Internet service provider. The PPP-SRDSU allows computers using async dial PPP programs (Windows95 Dial Up Networking, Chameleon, Spry etc.) to connect on a permanent private line link. A standard TCP/IP router is used at the host site. The PPP-SRDSU has been tested with all major brands of routers.

The DCB PPP-SRDSU is a 56/64 Kbps synchronous DSU/CSU with one or four asynchronous ports. The PPP-SRDSU translates the synchronous protocols from the host router to asynchronous PPP and passes that to the async com ports of the remote PCs. Connection to the host site router is via DDS or frame relay circuits.

The PPP-SRDSU negotiates the link with the computer and router as follows:

1. The PPP-SRDSU responds to the computer's AT modem commands with the appropriate “OK” and “CONNECT” responses.
2. The PPP-SRDSU presents “Login:” and “Password:” prompts as required by most async PPP dialing programs, and expects a carriage return response.
3. The PC then negotiates the Local Control Protocol (LCP) and the IP Control Protocol (IPCP). After the negotiation is completed, the PC is on line.

The PPP-SRDSU is easy to install and operate. Controls on the unit include a switch to select line driver or phone company clock and a separate management/setup port. The Setup switch is used to access the management port from the user's PC port. The minimum number of controls and comprehensive indicators make installation and troubleshooting easy. Diagnostic aids built into the PPP-SRDSU include LED indicators.

The hardware cost savings provide a compelling reason to use the PPP-SRDSU. It is especially cost effective where a number of PPP synchronous digital channels are delivered to the phone company via DS-0's and T1 access multiplexing, or via frame relay. The PPP-SRDSU is a very cost effective alternative to ISDN. In many areas, phone companies charge ISDN users per minute usage rates. At the end of month, ISDN charges for even 8am to 5pm operation week-days can total hundreds of dollars. A dedicated link using the PPP-SRDSU is often the more cost effective alternative.

SPECIFICATIONS

General
56/64 Kbps DSU/CSU
Async PPP to Sync PPP or Frame Relay
Conversion
1 or 4 ports

Port Specifications
Data Format: Async
Rates: 9.6, 19.2, 38.4, 57.6 Kbps
Interface: CCITT V.24, RS-232-D
Connector: RJ-45 (8-wire) EIA/TIA 561
1 port to PC cable included

Network Specifications
Rates: 56 or 64 Kbps
Interface: DDS bipolar return to zero
Line Driver mode at 56 or 64 Kbps
Connector: RJ-45S (8-wire)
DSU to Telco cable included
Can set WAN side TCP/IP address for ping

Operating Modes
Point-to-Point DDS
Frame Relay

Indicators
Power, Activity, Line Error, Modem Ready,
Port 1 Setup
DSU LED's: TXD, RXD, RTS, CTS, DCD,
TEST

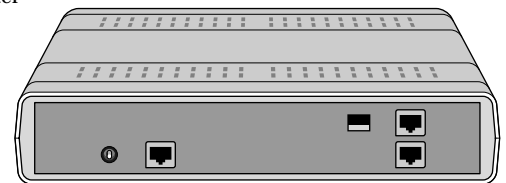
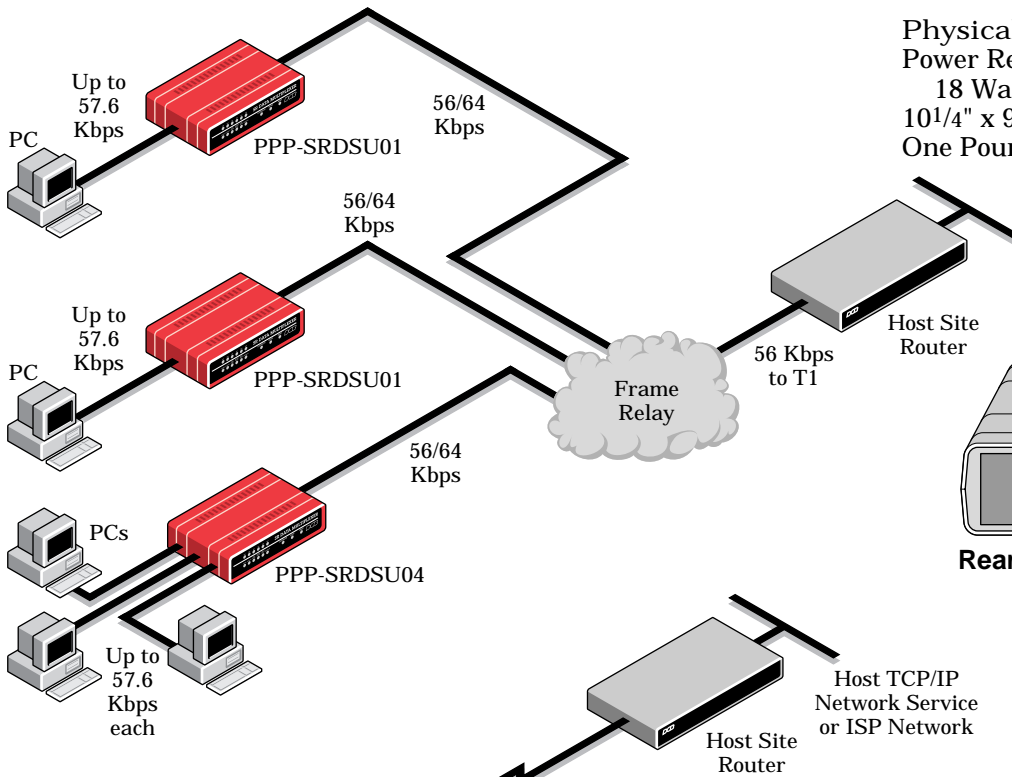
Management Port
Rate: 9600 bps
Interface: CCITT V.24, RS-232-D
Connector: RJ-45 (8-wire) EIA/TIA 561
Can be mapped to Port 1

Management Port Commands
Help Screen
Show Configuration
Show Port IP Address
Show Frame Relay Status
Change Port Configuration
Change Port IP Address
Change Mux Options
Change Frame Relay Configuration
Set ID
Activity Counters
Type
Repeat Last Command
Disconnect Management Port

Physical/Electrical
Power Requirements: 120 VAC, 60 HZ,
18 Watts
10 1/4" x 9 3/4" x 2 1/4"
One Pound

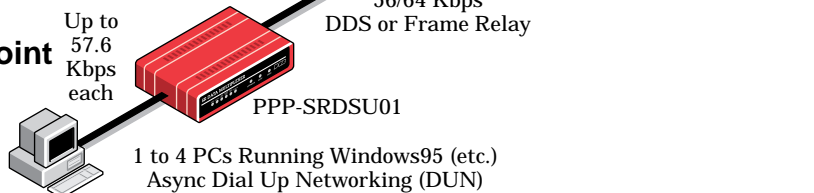
APPLICATION

Multipoint Frame Relay



Rear view of DCB PPP-SRDSU01

Point-to-Point



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>