



LL9.6 V.29 Point-to-Point Modem

DESCRIPTION

The DCB LL9.6 modem is a full featured V.29 leased line modem. The LL9.6 modem operates over 4-wire unconditioned leased lines at 9600 bps synchronous or asynchronous. It is an excellent choice for point-to-point leased line applications.

The LCD front panel is used to set up the following parameters for the local modem: Modem Rate, Modem Address, RTS/CTS delay, RTS Holdover, RTS Stream, RTS Control, Transmit Carrier, Transmit Clock Source, Synchronous or Asynchronous, Receive Level, Transmit Level, Transmit Data Clamp.

The modem can send remote commands for loopbacks, test tones and to measure remote receive levels. In addition, the LCD front panel can initiate the following diagnostic tests: Line Test, Digital Loopback, Analog Loopback, Remote Digital Loopback, Send 1004 Hz test tone, Remote send 1004 Hz test tone.

The LCD front panel is continuously updated to display the receive level in dBm. This is most useful when diagnosing line troubles with the telephone company.

The Network Management port is accessed through a 9-pin RS232 asynchronous port on the rear panel of the modem. Through this port it is possible to configure the modem and perform all the test diagnostics available through the LCD front panel. The Network Management port can also be used to configure the remote modem and measure the remote receive level.



FEATURES

- 9600 bps, also operates at 4800 and 7200 bps, V.29
- RS232 interface
- Synchronous or asynchronous
- Point-to-Point, 4-wire unconditioned leased line operation
- LCD display
- Network management port
- Optional 12/24/48 VDC or 120/240 VAC power supplies

9600 bps V.29 Synchronous and Asynchronous Modem

SPECIFICATIONS

General

- Rates: 9600 bps synchronous or asynchronous, 4.8, 7.2Kbps manual bps fallback
- Application: Point-to-point
- Facility: 4-wire unconditioned leased lines
- Signaling: CCITT V.29, Automatic Adaptive
- Equalization, 2400 Baud
- QAM modulation, 1700 Hz carrier frequency

Indicators (front panel)

- Power, Transmit Data, Receive Data, Request to Send, Clear to Send, Data Carrier Detect, LCD front panel display

Controls

Front panel push buttons: Next, →, INCR, OK, RESET
RS232 Management Port on rear panel of unit

Telco

Interface: Four-wire leased lines
Connector: RJ11-C

Data Port

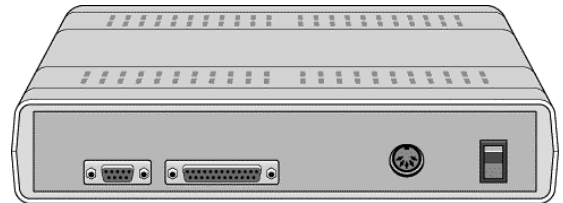
25-Pin connector:
Interface: RS232, V.24
Connector: DB-25 female
Timing: Synchronous or asynchronous

Front Panel LCD Commands

- Rate, Sync/async, receive and transmit levels, RTS control, Tx Data clamp, Test Line, loopbacks, send 1004 Hz test tone remote send 1004 Hz test tone

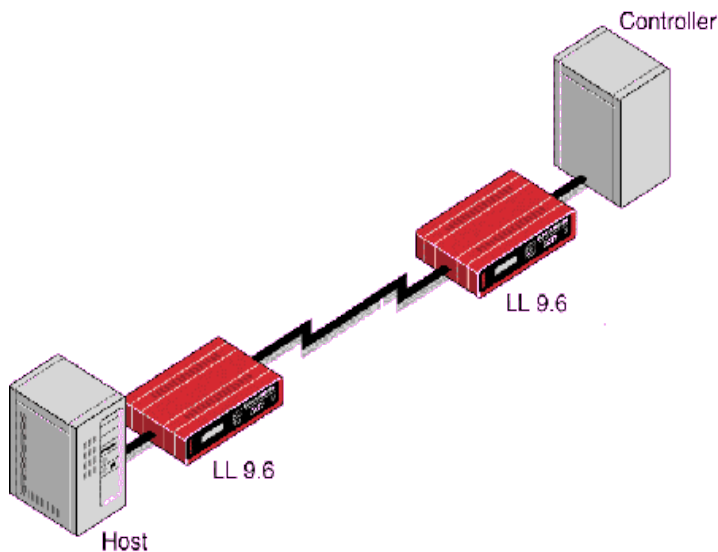
Physical/Electrical

- Power requirements: 120 VAC, 30 Watts. Other power options available
- 10 1/4" x 9 3/4" x 2 1/2"
- One pound
- Temperature: -40 to +75 C, Non-condensing Humidity



Rear view of LL9.6 Modem

APPLICATION



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