

3875

Modem



Product Description

The 3875 is a Modem that operates with serial digital communication units, and serves to convert data from these units into a form which is suitable for transmission over telephone lines.

The 3875 is capable of operating at 7200/3600 bits per second over leased point to point or Centralized Multipoint Telephone lines.

The primary speed is 7200 bps. However, in case of line degradation the modem can operate at half speed of 3600 bps over the same line.

Changing of speeds is done by the operator through a front panel switch.



3875 Modem

Technology

The 3875 uses SLD 700 Technology and is highly functionally packaged. Small size. Width 43 cm, depth 55 cm, height 15 cm.

It uses the IBM Digital Modulation technique, which gives high performances and allows a high degree of digitalization.

Optional Features

Point to Point Feature

Provides a line equalizer in the receiver. The feature is needed for each modem of a point to point network.

Multipoint Feature

Provides line equalizers on the transmitter and the receiver on the same modem. This feature is needed on each tributary modem of a multipoint network.

Fan Out Feature

One modem can be shared by up to three business machines.

Alternate Voice Feature

Allows the operator to call and to talk with the operator at the other end.

Problem Determination

Special care has been given in this modem to the problem determination by the operator by means of a complete range of easy to operate facilities. Self test of the modem, point to point test, remote digital wrap. Easy determination of modem versus line versus business machine problems.

Also equalizer adjustments can be performed by the operator using front panel adjusters and indicator. For Multipoint, specialized circuit in the control modem retransmit to the tributary modems information on the quality of the signal received when performing equalizers adjustments: the operator at the tributary can thus read on his front panel indicator the quality of the signal received by the control modem. The operator can thus adjust the transmitter equalizer as easily as the receiver equalizer.


Maintenance Features

Built-in pattern generator allows self testing, point to point test, remote digital wrap test. Errors are positively indicated by a front panel indicator flashing when errors occur. A new interface lead, called "Test", allows automatic testing of the modem by attached business machines which have this capability.

Three service patterns can be generated under control of a front panel switch, available to the operator. Minimum requirements of remote assistance by a CE for installation and troubleshooting.

No special tools are required for the installation of the 3875. The 3875's of a network can be installed and tested, including the network, without any dependency from the associated business machines.

This is a CE Career Path Data Recording product.



**IBM World Trade Corporation
DP Customer Engineering
821 United Nations Plaza
New York, N. Y. 10017 U.S.A.**

Printed in Western Germany