

3872

Modem



Product Description

The IBM 3872 is a serial synchronous modem operating at 2400 bits per second (bps) over leased or private voice grade communication facilities. This modem is available in point-to-point, multipoint control and multipoint tributary configurations.

Half speed back-up of 1200 bps is provided to permit continued operation with degraded facilities. Customer-adjustable equalizers are provided to insure optimum operation over leased channels.



Technology

Technology for the 3872 circuits in SLT/SLD and IBM FET with discrete components. The modulation technique used to generate the line signal is Differential Phase Shift Keying (DPSK).

Problem Determination Features

The 3872 is provided with several tests for use by the customer.

Local self-test takes the output of the transmitter, wraps it back to the receiver and checks for errors. The data used is a test pattern generated by the modem.

The internally generated test pattern is transmitted over the line facility to the receiver in the remote modem where it is checked for errors.

The internally generated test pattern is transmitted over the line facility, received and checked for errors by the remote modem. It is then retransmitted to the local modem and again checked for errors.

A front panel meter is provided to monitor line signal quality.

Serviceability Features

In addition to the tests and speed-selection capabilities outlined, the modem maintenance documentation provides pictorial wave forms for all significant test points for ease of problem isolation.

Optional Features


The Point-to-Point feature is required on each modem used in point-to-point operation. It consists of an operator-adjustable receive equalizer.

The Multipoint feature is required at each tributary modem of a multipoint network. It consists of operator-adjustable transmit and receive equalizers. No features are required on the control station modem.

The Direct Line attachment feature allows the 3872 to meet PTT specifications in some countries.

The second modem feature allows two modems, each capable of operating on a separate communications channel to be installed in a single 3872 cabinet.

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.**

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