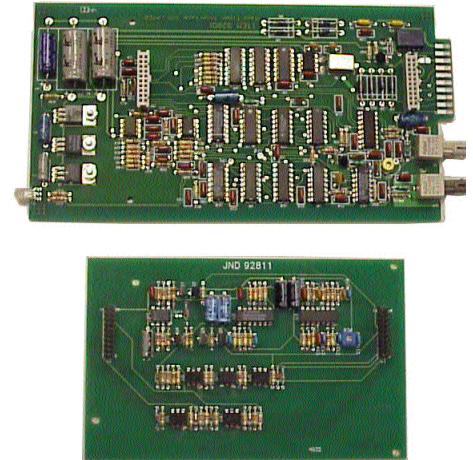


STENTOFON 92870 Data/Audio Fiber Interface

Functional Description

This unit allows for connection of two AlphaCom systems over fiber. In addition it can be used to connect 9600 equipment. It provides two data channels that will support network data as well as one high quality audio circuit. It will support AlphaCom exchanges in either the multi-mode configuration or in a network configuration.

The interface is made up of two basic components, the 92801 basic fiber interface used with all Zenitel fiber interfaces as well as the 92831 data and audio interface board. The 92870 provides the following:



- Two independent data channels up to 19.2 baud rate
- Each data circuit can be configured as either RS422 or RS232
- Each data circuit can be used to convert RS422 or RS232 at either end
- Data circuit protocol is set by dip switches on the 92831 board
- One four-wire, 600-ohm, transformer isolated audio circuit

The 92870 Data and Audio interface is mounted inside a 92840 single unit enclosure and is intended to be mounted on the wall near the exchange. It also comes with the 92891 single unit power supply.

Technical Specifications

1. This interface requires 12 VAC at 400ma
2. Is mounted in a 9.5" L x 5" W x 1.5" D metal housing
3. Connections are made via a card edge connector which is supplied
4. Supports AlphaCom's standard line test to stations
5. Operating Temp Range - 10°C to + 40°C - 14° to 104° F
Operating Humidity Range - 10-85% RH
6. Used industrial standard fiber couplers:
 - ST connectors for the fiber connections
 - 820 nm wavelength technology
 - Link distance up to two KM
 - Requires two multi-mode fibers

Note 1: In addition to the AlphaCom applications, this interface can be used any time you need audio or data over fiber. For example:

1. Between two 9600 masters in a remote master configuration
2. Between a 9600 master and a 9260 Network controller
3. Between a 9453 LCD master and the 9600 electronics
4. Can be used by any system needing data and or audio between two locations

Note 2: In all of the above examples there would be a free data channel that could be used for other systems.