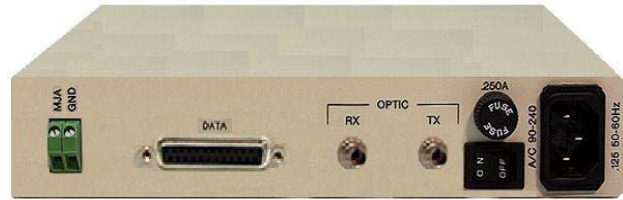


FMX-6300 Series

- ◆ Supports RS-232, RS-449, V.35, FXO/FXS Voice Channel, and T1/E1 Interfaces
- ◆ Synchronous Data Speeds up to 2.048Mbps
- ◆ Internal/External/Slave Clock
- ◆ Transmits up to 40Km
- ◆ Local and Remote Loop-back Test
- ◆ 7 Status indicators
- ◆ Optional Redundant Optics



Universal Point-to-Point Fiber Optic Modem

Overview

The FMX-6300 Series is a reliable fiber optic modem that operates in both simplex and full duplex modes. Capable of synchronous and asynchronous operation, this modem can transfer data rates up to 2.048 Mbps in synchronous mode and 112 Kbps in asynchronous mode by way of a pair of Multimode or Singlemode fiber optic cables.

The FMX-6300 is configured as a point-to-point network configuration.

Uniquely flexible, the FMX-6300 features interchangeable electrical interfaces for the most common interface types including RS-232, RS-499 (RS-530), V.35, FXO/FXS voice channel, and T1/E1. The FMX-6300 is capable of independently clocking data in each direction and operating in selectable internal clock, external clock, or network clock mode.

In addition, the FMX-6300 can be optionally configured with an optical redundant module complete with automatic switching to assure high reliability.

The FMX-6300 provides a full display of diagnostics including local and remote loop back tests and visual status indicators. The FMX-6300 additionally provides a relay-contact alarm for optical and power failure.

Applications

- ◆ Local Exchange Digital Service
- ◆ Fractional T1/E1 Campus Networks
- ◆ Teleconferencing
- ◆ T1/E1 splitting
- ◆ SCADA Networks
- ◆ Traffic Networks
- ◆ Corporate and Enterprise Networks

Specifications

System:

Error Rate Indicators 1 in 10⁹
 PWR, TXD, RXD, LLB, RLB, LMON
 Local and Remote Loopback
 Relay Contact (Fiber Loss)
 Internal, External, Network Clock.
 Local /Remote Loop

Environment:

Operating -20°C to 65°C
 Storage -40°C to 95°C
 Humidity 95% Non-Condensing

Power:

AC 90-240 VAC, 47-63 Hz
 DC -48 VDC (Optional)
 Volts/Amp 5 VDC @ 2.5 Amp

Optical:

Transmitter LED, LASER
 Receiver PIN
 Power Budget 17 dBm MM
 25 dBm SM
 Connectors ST, SC, FC

Data Rate:

Internal Clock 56 Kbps to 2.048 Mbps
 External Clock 75 Bps to 2.048 Mbps

Electrical:

Interface G.703 E1, DS0 T1, CCITT V.35
 FXO, FXS, RS-422, RS-232

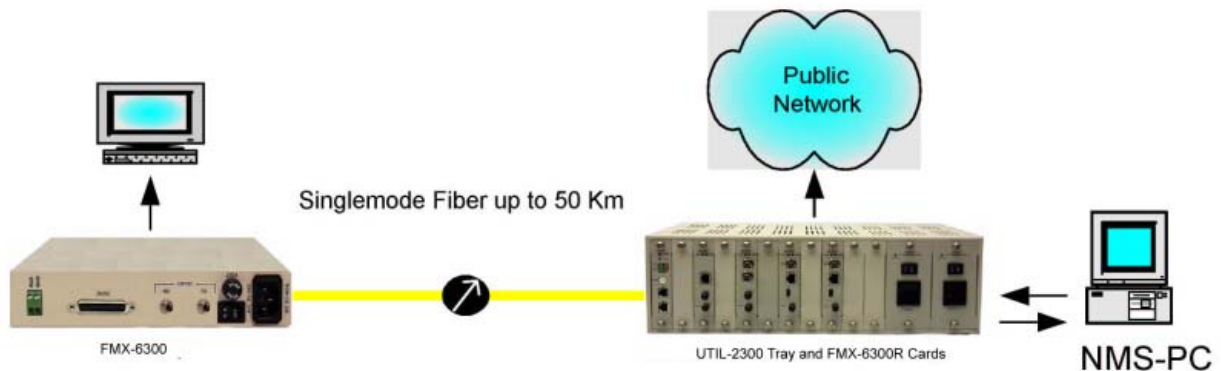
Physical:

Dimensions Standalone 8.5" x 1.6" x 10"
 Rack Card 4.25" x 1" x 10"
 Weight 2.5 lbs.

UTIL-2300 Chassis:

Slots 10
 Power Modules 90-240 VAC, -48 VDC

Example Application



Typical FMX-6300 Fiber Optic Point-to-Point Modem Application



191 Forest Ave.
 Locust Valley, NY 11560-2132
 Tel: 1-800-488-8378
 Fax: 1-516-671-3362
 www.multidyne.com
 Email: info@multidyne.com

Ordering Information

Model

FMX-6300-E1-ST-03
 FMX-6300R-E1-ST-03
 UTIL-2300
 PS-2300-PS

Description

Fiber Optic G.703 E1 Interface, Standalone, 1310nm SM, ST
 Fiber Optic G.703 E1 Interface, Rack Card, 1310nm SM, ST
 3 RU, 10 Slots Chassis
 90-240 VAC Power Supply Module For UTIL-2300 Chassis

Note: Replace the above "E1" with "T1", "V.35", "422", "232" for other interfaces.