

# MODEL 2262

## T-1/E-1 Fiber Optic Modem

The Model 2262 is a reliable T-1/E-1 fiber optic modem supports standard speeds of 1.544Mbps (DS1) and 2.048Mbps (CEPT).

The 2262 T-1/E-1 fiber optic modem provides a transparent fiber optic link extension for T-1 or E-1 signals. It accurately transmits and receives bipolar line codes such as AMI, B8ZS, and HDB3.

The 2262 is available as a standalone unit or as a rackmount card for installation in a Canoga Perkins Model 2201 Rack Assembly Chassis. Available is a variety of electrical interface connectors to facilitate its connectivity with a multitude of E1/ T1 products.

The E-1 version has switch selectable 75 Ohm unbalanced and 120 Ohm balanced interface impedances for E-1 applications. The T-1 version come standard for 100 Ohm balanced impedance operation.

The 2262 is available with 1310nm single mode optics. With a 1310nm laser on single mode cable, transmission distances to 55km or more are possible. ST or FC fiber interface connectors are available.

For applications that require many modems, the 2201 Rack Assembly Chassis holds up to ten 2200 series modems. Standard features of the chassis include audio, visual and dry contact alarms and power failure monitor. Redundant power is available as an optional feature.

In order to meet our customers' exact requirements, Canoga Perkins provides modems and accessories in a multitude of configuration options.



### FEATURES:

- **1.544 Mbps T-1 and 2.048 Mbps E-1 Models**
- **Transparent to Line Codes**
- **Transports Bipolar Violations**
- **Local and Remote Loopback Diagnostics**
- **Interchangeable Interfaces**
- **Single Mode Optics**
- **Standalone and Rackmount Models**
- **Power Supply Redundancy (in 2201 Chassis)**
- **120VAC & 240VAC Power**



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## T-1/E-1 Fiber Optic Modem

### Specifications

- **PHYSICAL**

- Dimensions

- Standalone

- 1.75"H x 8.4"W x 12.2"D  
(44mm x 214mm x 310mm)

- Rackmount Module

- 7.8" H x 1.06" W x 12.5" D  
(198mm x 27mm x 318mm)

- Weight

- Standalone

- 3.6 lb (1.63 kg)

- Rackmount

- 0.9 lb (0.41 kg)

- **ENCLOSURES**

- Rackmount

- 2201 Chassis

- **OPERATING ENVIRONMENT**

- Standard Models

- 0° to +50°C (32° to 122° F)

- 5% to 90% RH (non-condensing)

- **POWER - Standalone**

- 120 VAC, 43 to 63 Hz, 20W Max.

- 240 VAC, 43 to 63 Hz, 20W Max.

- **INTERFACES AND CONNECTORS**

- Fiber Port

- ST Single Mode and Multimode

- T-1/E-1 Port

- T-1 DA-15 and RJ-48

- T-1 RJ-48 and Terminal Strip

- E-1 BNC and Terminal Strip

- **BIT ERROR RATE PERFORMANCE**

- 1X10<sup>-10</sup> OR BETTER

- **DIAGNOSTIC LEDs**

- Data - Tx & Rx

- User Data Activity

- Sync - Local & Report

- Link Status

- Loop On

- Loopback Activated

- **OPTICAL DISTANCES**

- 2262 Optics



These are typical distances on SMF-26 fiber. Actual distance is dependant on fiber type, condition and configuration.

Please contact your Canoga Perkins' sales representative for current Fixed and SFP Optics offerings.

- **REGULATORY COMPLIANCE**

- UL 60950 CAN/CSA C.22 No. 60950,  
FCC Part 15B/ICES-003/VCCI Class A  
EN 55022 Class A  
EN 50082



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