

MODEL 2262

E1/T1 Fiber Optic Modem

The Model 2262 is a reliable E1/T1 fiber optic modem supporting standard speeds of 2.048Mbps (CEPT) and 1.544Mbps (DS1).

The 2262 E1/T1 fiber optic modem provides a transparent fiber optic link extension for E1 or T1 signals. It accurately transmits and receives bipolar line codes such as AMI, B8ZS, and HDB3.

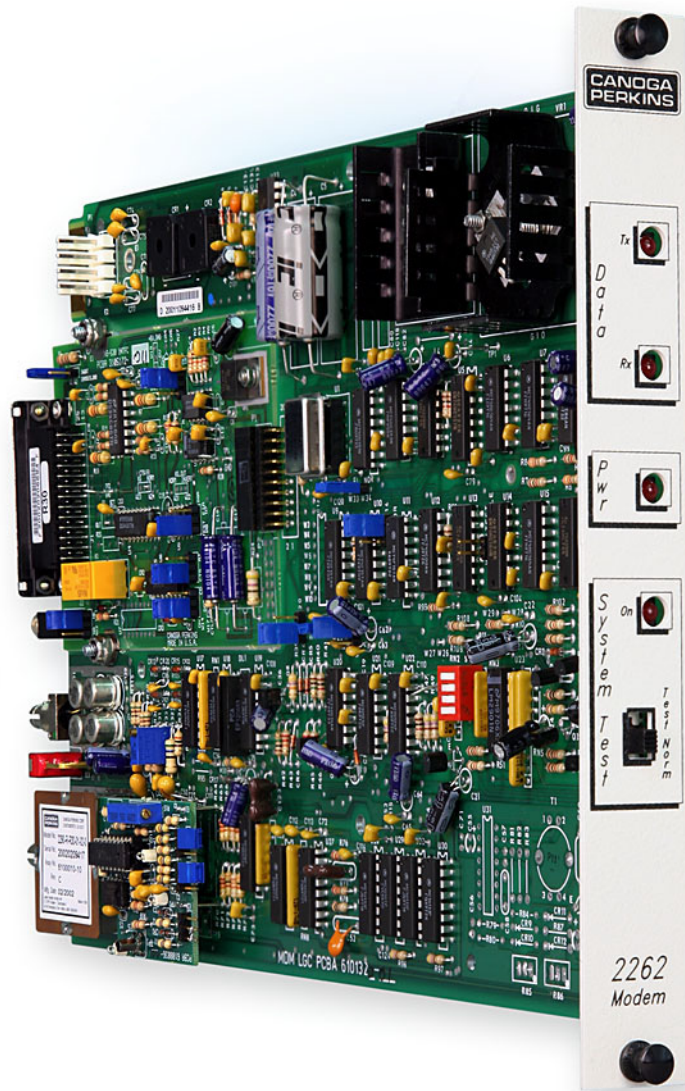
The 2262 is available as a standalone unit or as a rackmount card for installation in a Canoga Perkins Model 2201 Rack Assembly Chassis. A variety of electrical interface connectors are available to facilitate its connectivity with a multitude of E1/T1 products.

Switch selectable 75 Ohm unbalanced and 120 Ohm balanced interface impedances for E1 applications are supported. The T1 versions come standard for 100 Ohm balanced impedance operation.

The 2262 is available with 850nm multimode optics and 1310nm single mode optics. With a 1310nm laser on single mode cable, transmission distances to 25km 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:

- **2.048Mbps or 1.544Mbps**
- **Transparent to Line Codes; Passes Bipolar Violations**
- **850nm Multimode Optics**
- **1310nm Single Mode Optics**
- **Standalone or Rackmount Options**
- **Local/Remote Loopback**
- **Alarm Relay Contacts**
- **120VAC, 240VAC, -48VDC (in Rack)**



World Headquarters

20600 Prairie Street
Chatsworth, CA 91311-6008

Phone (818) 718-6300 • Fax (818) 718-6312

E-mail: fiber@canoga.com

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E1/T1 Fiber Optic Modem

SPECIFICATIONS

● PHYSICAL

Dimensions	
Standalone	1.75"H x 8.4"W x 12.2"D (44.4 x 213.6 x 309.9mm)
Rackmount Card	1.06"H x 7.8"W x 12.0"D (26.9 x 198.1 x 304.8mm)
Weight	
Standalone	3.6 lbs (1.63kg)
Rackmount Card	0.9 lb (0.40kg)

● ENVIRONMENT

Temperature	0° to 50°C
Humidity	Up to 95% (Noncondensing)

● POWER

Standalone	
(Std)	120VAC 10% @ 10W Max. 60Hz (Wall Mount)
(Opt)	120/240VAC 10% @ 10W Max. 50 to 60Hz, Male IEC Connector
(Opt)	-48VDC (38 to 72VDC) 0.2 Amp Max.

● DIAGNOSTIC LEDS

Pwr	Power ON
Tx	Transmit Data
Rx	Receive Data
Loopback	ON

● TEST

Loopback	Local/Remote
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● OPTICAL

Composite Error Rate	$\leq 10^{-10}$
Transmitter	
	LED (850nm, Multimode)
	Laser Diode (1310nm, Single Mode)
Connectors	
	ST or FC/PC

● ELECTRICAL CHARACTERISTICS

	E1	T1
IMPEDENCE		
Unbalanced	75-Ohm	N/A
Balanced	120-Ohm	100-Ohm
INPUT SENSITIVITY		
	-6dB	-6dB
OUTPUT SIGNAL LEVEL		
75-Ohm	4.74p-p±10%	N/A
100-Ohm	N/A	6Vp-p±1.4V
120-Ohm	6Vp-p±10%	N/A

● CONNECTORS

BNC & Terminal Female DA-15 & Strip, RJ48C, or Terminal Strip & RJ-48C

● ALARM CONNECTORS

Available in DA-15 or Terminal Strip Depending on Modem Configuration

● LOSS BUDGETS

850nm LED	15dB
1310nm Laser	20dB

(Guaranteed loss budgets. Typical loss budgets are 2dB greater.)

● REGULATORY COMPLIANCE

UL 60950/CSA C22.2 No. 60950
IEC 60950
FCC Part 15 Class A



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ISO 9001 Registered

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www.canoga.com