

MODEL 2270

High Performance Fiber Optic Modem

The Model 2270 is ideal for modern cryptographic and satellite downlink applications. It features data through-put speeds up to 20Mbps and handles rate-agile applications from 56kbps to 20Mbps.

It operates Synchronously up to 20Mbps, or asynchronously up to 5Mbps. The 2270 is available with 850nm multimode optics and 1310nm single mode optics, for distances up to 45km.

The 2270 operates with a large variety of field interchangeable interfaces, such as V.35 and RS-422. It is capable of functioning with different interfaces at each end, eliminating the need for equipment interface commonality or interface adapters.

Checking the integrity of both the electrical and optical links can be done with a flip of the System Test switch which allows local and remote loopback diagnostics that assists in the isolation and troubleshooting of faults.

For installations requiring multiple modems, the Model 2201 Rack Assembly holds up to ten 2200 series modems. Standard features of the 2201 Chassis include audio, visual and dry contact alarms in the event of power supply failure. The 2201 chassis supports redundant and non-redundant power supplies.



FEATURES:

- Rate Agile Sync Data Speeds up to 20 Mbps
- Internal/External/Slave Clock Modes
- Front Panel Switch-Selectable Speeds
- Speeds from 56 Kbps to 20 Mbps
- Long range optical Extension up to 70 km
- Single Mode and Multimode Optics
- G.703 Compatible T-1/E-1 Interfaces
- Local and Remote Loopback Diagnostics
- Interchangeable Interfaces
- Pass-through Control Leads
- Standalone and Rackmount Models
- Power Supply Redundancy (in 2201 Chassis)
- 120VAC & 240VAC Power



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Specifications

- **PHYSICAL**

- Dimensions

- Standalone

- 2.5" H x 8.5" W x 12.8" D
(64mm x 216mm x 325mm)

- 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, 50/60 Hz, 20W Max.
240 VAC, 50/60 Hz, 20W Max.

- **INTERFACES AND CONNECTORS**

- Fiber Port

- ST

- Data Port

- DB-25 RS-232, RS-423, RS-530
 - DC-37 RS-449, Mil 188, MC-1
 - DA-15 T-1, E-1
 - MRC-34 V.35
 - Term Strip T-1, E-1
 - BNC T-1, E-1, TTL
 - Twin Ax Mil-188, RS-422

- **BIT ERROR RATE PERFORMANCE**

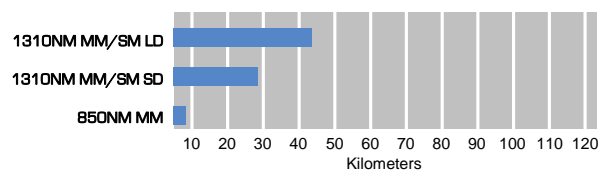
- 1X10⁻¹¹ OR BETTER

- **DIAGNOSTIC LEDs**

- Data - Tx & Rx User Data Activity
 - Optics – Tx & Rx Link Status
 - Loop On Loopback Activated

- **OPTICAL DISTANCES**

- 2270 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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