

MODEL 2340

Universal Fiber Optic Modem

For all branches of the Military, Government agencies, commercial and government system integrators, public and private network administrators who need to extend standards based serial data over fiber optic cable, the Canoga Perkins Model 2340 Universal Fiber Optic Modem combines SNMP management with versatile and cost effective solutions for all your commercial and C4I asset applications.

The 2340 offers all the functionality you expect. It operates asynchronously at speeds up to 1.5 Mbps and synchronously at speeds up to 2.048 Mbps. Clocking options include external, internal, and slave timing. Using a built in clock synthesizer, the 2340 Fiber Optic Modem generates dozens of commonly used clock rates. These include all Nx56 Kbps and Nx64 Kbps clock rates.

Modular in design, the 2340 Fiber Optic Modems support hot swappable, field installable electrical interfaces. For applications requiring protocol handshaking, end-to-end transport of control leads are supported. Multimode, single mode, Single Fiber BiDi and CWDM optics are available to meet your implementation needs.

Configuration and modem management is accomplished locally with the built-in RS-232 async terminal port or remotely using our advanced SideBand Management technology. Our multi-technology Universal Chassis System (UCS) Domain Manager provides user-friendly menus for end-to-end, non-intrusive, unit configuration status, and control. Remote access is available by using an external modem connected to the 2340 terminal port or through SNMP.

The Model 2340 Fiber Optic Modem is fully redundant providing hardware and fiber protection for mission critical applications. The software selectable redundancy feature allows one pair to function as a primary link while another pair of 2340s act as a secondary link. This creates a completely redundant connectivity for maximum uptime and circuit availability.



FEATURES:

- **Optical Long Distance Extension of Clock and Data Circuits up to 120 Km**
- **Standalone, 19" and 23" Rack Mount**
- **Field Interchangeable, Hot Swappable Interfaces**
- **Internal, External, and Slave Clocking Modes Provided**
- **Local and Remote Loopback Diagnostics**
- **Multimode, Single Mode, BiDi and CWDM Optics to Match Virtually Any Application**
- **Supports KIV and KG encryption product lines**
- **Full Optical and Hardware Redundancy for Maximum Uptime**
- **End-To-End SideBand Management for Remote Management and Monitoring**
- **Continuous, Non-intrusive BERT to Monitor Optical Link Performance**
- **Local and Remote Terminal Port, PPP, Telnet and SNMP Management**
- **NEBS Level 3 Tested and Certified**



World Headquarters

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Specifications

- PHYSICAL**

Module Dimensions

7.9" H x 1.0" W x 10.5" D
(201mm x 25mm x 267mm)

Weight

1.2 lb (0.54kg)

- ENCLOSURES**

Rackmount

UCS 1000
UCS 1001

Standalone

Model 1040
Model 1050

- OPERATING ENVIRONMENT**

Standard Models

0° to +50°C (32° to 122° F)
10% to 90% RH (non-condensing)

- POWER**

9.5w Max

- INTERFACE CONNECTORS**

Extension Port (Fiber)

SC
ST

Data Port

DB-25	RS-232, RS-423, RS-530, V.35
DC-37	RS-449
DA-15	T-1, E-1
RJ-48c	T-1, E-1
BNC	TTL
Twin Ax	Mil-188, RS-422

- DATA RATES**

Async	50 bps to 1.544 Mbps
Sync	50 bps to 2.048 Mbps

- FRONT PANEL SWITCHES**

RST	Modem and Management Reset
MDM/TRM	DTE – DCE Operation

- MANAGEMENT**

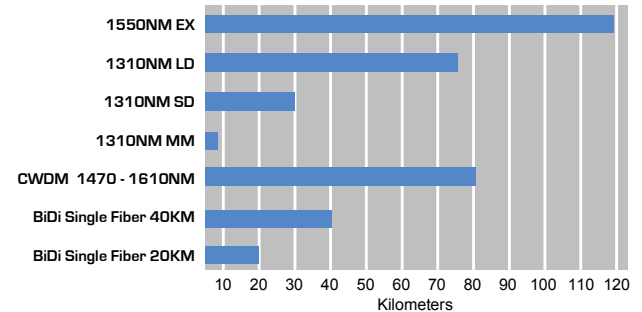
SNMPv1, SNMPv2c and SNMPv3, In-band
Serial EIA-232-E Direct Terminal
Telnet, PPP

- DIAGNOSTIC LEDs**

STA	System Status
CFG	Modem Configuration Error
CLS	Loss of Optical Signal
TST	Test/Loopback Status

- OPTICAL DISTANCES**

2340 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**

ETL, ETLc (UL 60950 CAN/CSA C.22 No. 60950,
EN/IEC 60950)
IEC 60825-1
FCC Part 15B/ICES-003/VCCI Class A
C-Tick (AS/NZS 3548)
EN 55022 Class A, EN 55024
EN 61000-3-2, EN 61000-3-3
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