

MODEL 2345

T-3 Fiber Optic Modem

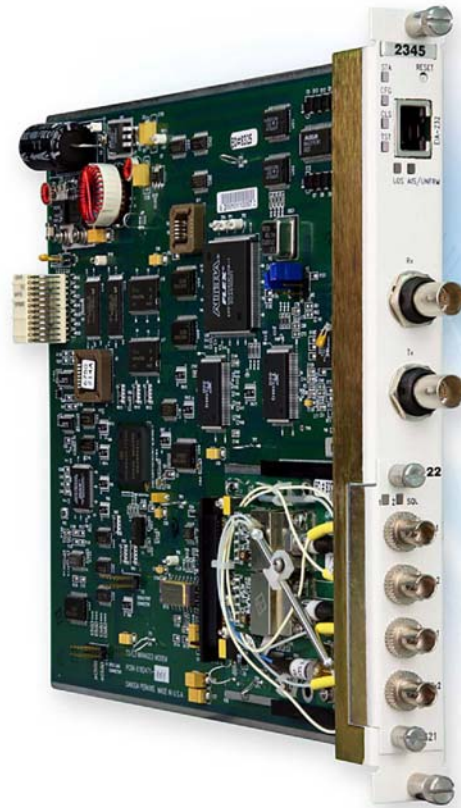
The EdgeAccess® Model 2345 is an SNMP managed multi-featured fiber optic modem that optically extends T-3/DS-3 (44.736Mbps) over single mode or multimode fiber optic cable. It is designed to enable Service Providers, Carriers, Government, Military and Corporate Enterprise to expand the capabilities of their existing data communications infrastructure.

The 2345 transports any B3ZS coded, framed data stream and provides a transparent link extension when transporting C-bit Parity and M13 framed signals. It is available as a standalone modem and as a rack mount UCS 1000 card with modular, hot-swappable, and interchangeable Optical Line Interface Modules (OLIM). The rack mounted card is part of the Universal Chassis System (UCS).

SNMP support is available for both the rack mount and the standalone versions with end-to-end monitoring and configuration facilitated via the SideBand Management Channel. The network manager gathers statistics and link information from the remote end. Software upgrades are easy with local and remote downloads of code.

To reduce critical circuit downtime, fiber path and full hardware modem redundancy options are supported. With each option, failure in the primary causes an automatic switchover to the secondary fiber link modem.

The 2345 is ideal for extending T-3 from the SONET Node / Network Core to the customer demarcation point, as well as extending interconnection between T-3 devices like M13 Multiplexers and LAN Routers. For applications requiring multiple modems, up to 15 2345 Modems are mountable in a UCS1000 Chassis with up to 240 modems managed from a single UCS Domain and IP Address.



FEATURES:

- **Optically Extend T-3/DS-3 up to 50 Km**
- **Single Mode and Multimode Fiber Support**
- **Performance Monitoring Per ITU-G.826 and RFC2496**
- **B3Z5 and AMI Line Coding Supported**
- **C-Bit, M13 and Transparent Framing Formats**
- **Transparent Framing Passes FM and FEAC Overhead Bits**
- **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

20600 Prairie Street

Chatsworth, CA 91311-6008

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

E-mail: fiber@canoga.com

MODEL 2345

T-3 Fiber Optic Modem

Specifications

● PHYSICAL

Dimensions

UCS Module

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

Standalone Model

1.7" H x 8.5" W x 11.5" D
(43mm x 216mm x 292mm)

Weight

UCS Module

1.2 lb (0.54 kg)

Standalone Model

3.2 lb. (1.45 kg)

● ENCLOSURES

Rack Mount

UCS 1000

UCS 1001

Standalone

Standalone Model (2345-1100 or -1400)

Model 1040

Model 1050

● OPERATING ENVIRONMENT

Temperature

0° to +50°C (32° to 122° F)

Humidity

10% to 90% RH (non-condensing)

● POWER

UCS Rackmount

10W Max.

Standalone

AC Power

100 to 240 VAC, 50/60 Hz Auto-ranging
10W Max.

DC Power

38 VDC to 72 VDC
9.1W Max.

● INTERFACE CONNECTORS

Extension Port (Fiber)

SC

ST

T-3 Port

BNC

● FRONT PANEL SWITCHES

RST

Modem and Management Reset

● DIAGNOSTIC LEDs

STA

System Status

CFG

Modem Configuration Error

CLS

Loss of Optical Signal

TST

Test/Loopback Status

LOS

Loss of T-3/DS-3 Sync

SQL

Optical Signal Quality

AIS

All 1s Received, Unframed

● MANAGEMENT

SNMPv1, SNMPv2c and SNMPv3, In-band

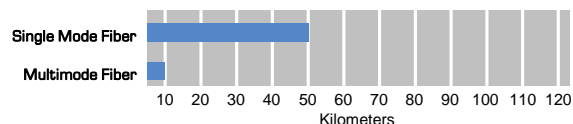
Serial EIA-232-E Direct Terminal

CanogaView Smart Element Manager

Telnet, PPP

● OPTICAL DISTANCES

2345 1310nm MM/SM Optic



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

NEBS Level 3

CE Mark

World Headquarters

20600 Prairie Street

Chatsworth, CA 91311-6008

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

E-mail: fiber@canoga.com

TL9000
TL9000 Registered

6052471 Rev D



www.canoga.com