

# MODEL 2346

## T-3 Fiber Optic Modem

The EdgeAccess® 2346 T3 modem provides cost effective, small footprint, reliable optical extension of T-3/DS-3 (44.736 Mbps) signals on single mode or multimode fiber. It is ideal for extending PBX's, routers, DS-3 multiplexers, and ATM switches.

The 2346 retimes and reshapes the DS-3 signal allowing the clean and stable signal needed for longest possible extension distances. Up to 100 km extension is possible over a pair of single mode fiber and up to 40km over single strand of single mode fiber. Multimode Optics provide for shorter extensions on multimode fiber.

NEBS Level 3 compliant and certified, the 2346 provides a reliable and robust solution suitable for carrier class deployments. Mounting the 2346 in the UCS chassis and a variety of standalone enclosures addresses a wide range of application scenarios and requirements. The 2346 is available with fixed optics and SFP pluggable optics to best suite your needs and situation.

In a managed EdgeAccess® enclosure, SNMP and TCP/IP are supported to allow remote management over Ethernet or modem dial-in using SLIP/PPP. A menu driven Management Interface is accessible via Terminal or Telnet connection. Graphical Management is also available with CanogaView®, a Smart Element Manager. The Management Interface provides a real-time link monitoring, configuration, status, and diagnostics.

Complete management of the remote modem, including setup and software downloads, is conducted on the SideBand Management Channel, a non-intrusive channel dedicated for management. To ease troubleshooting and problem isolation, the 2346 has comprehensive diagnostics tools including local and remote loop-backs along with front panel indicators for quick visual status.



**RoHS**  
COMPLIANT

**NEBS**  
LEVEL 3  
CERTIFIED

**CWDM**  
COMPATIBLE

### FEATURES:

- **Optically Extends T-3/DS-3 Up To 100km On Single Mode Fiber**
- **Single Mode, Multimode and Single Fiber BiDi Support**
- **CWDM Optics Available**
- **Hot Swappable and Field Installable**
- **Continuous BERT – Non-Disruptive**
- **Transparent to Framing Formats and T-3 DataStream**
- **SNMP Management Support**
- **End-to-End Non-Interruptive Management via SideBand Management Channel**
- **Local and Remote Loop-backs Diagnostics**
- **NEBS Level 3 Tested and Certified**
- **Power Outage Detection (Last Gasp) in the 1020/1030E Enclosures**
- **Front Panel LED's for Visual Status**
- **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

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### Specifications

#### ● PHYSICAL

Module Dimensions  
3.0"H x 1.0"W x 9.0"D  
(76 x 25 x 228mm)  
Weight  
0.3 lb (0.13kg)  
Standalone (1020/1030) Dimensions  
1.5"H x 6.5"W x 10.0"D  
(38 x 165 x 254mm)  
Standalone Weight  
3.0 lbs (1.36kg)

#### ● ENCLOSURES

Rackmount  
UCS 1002  
UCS 1000 (using model 1230 BAM)  
UCS 1001 (using model 1230 BAM)  
  
Standalone  
Model 1030E  
Model 1020  
Model 1050 (using model 1230 BAM)

#### ● OPERATING ENVIRONMENT

Standard Models  
0° to +50°C (32° to 122° F)  
5% to 90% RH (non-condensing)

#### ● POWER

5VDC 800mA Max

#### ● DIAGNOSTIC LEDs

STA System Status  
LOS Electrical Loss of Sync  
CFG/TST Software Mismatch/Operation mode  
CLS Composite Loss of Sync

#### ● INTERFACE CONNECTORS

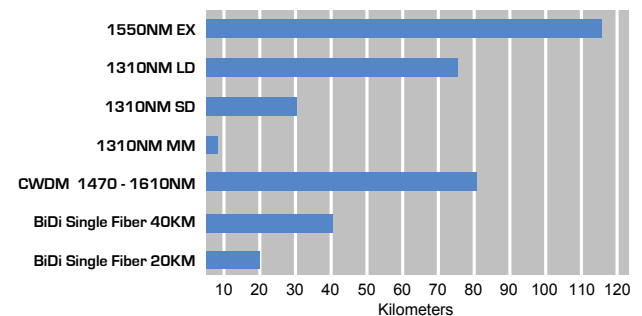
Fiber (Extension Port)  
SC and ST  
SFP Pluggable Optic Module  
Electrical Interface  
BNC 75 ohm

#### ● MANAGEMENT

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

#### ● Optical Distances

##### 2346 Fixed and SFP 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, cETL (UL 60950, CAN/CSA C22.2 No. 60950) EN 60950  
EN 60825-1, IEC 60825-1  
EN 55022, EN 55024  
EN 61000-3-2, EN 61000-3-3  
FCC Part 15B, Class A  
ICES-003 Class A  
C-Tick (AS/NZS 3548)  
NEBS Level 3



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www.canoga.com