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 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® 1020 Enclosure, SNMP and TCP/IP supported allows remote management over Ethernet or a modem dial-in using SLIP/PPP. A Menu Driven Management Interface is accessible via Terminal or Telnet connection. The Management Interface provides a real-time link monitoring, configuration, status, and diagnostics.

SideBand Management Channel (SBMC) provides complete management of the remote modem, including setup and software downloads. SBMC is a non-intrusive, on-fiber out of band management channel. To ease troubleshooting and problem isolation, the 2346 has comprehensive diagnostic tools including local and remote loop-backs along with front panel indicators for quick visual status.

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**

CANOGA PERKINS

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Specifications

PHYSICAL
Dimensions
3.0"H x 1.0"W x 9.0"D
(76 x 25 x 228mm)

Weight
0.3 lb (0.13kg)

ENCLOSURES
Rackmount
UCS 1002
UCS 1000 (using Model 1230 BAM)
UCS 1001 (using Model 1230 BAM)

Standalone
Model 1020
Model 1030E
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

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
Telnet, PPP

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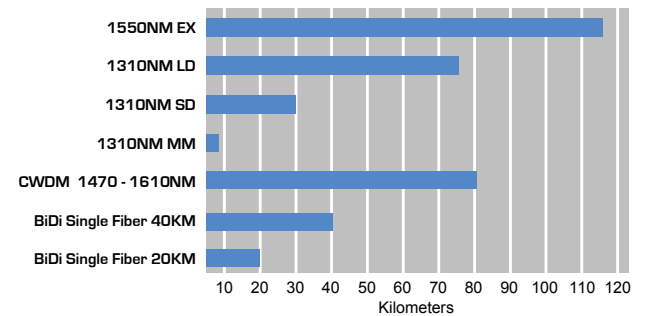LOS   Electrical Loss of Sync
CFG/TST   Software Mismatch/Operation Mode
CLS   Composite Loss of Sync

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
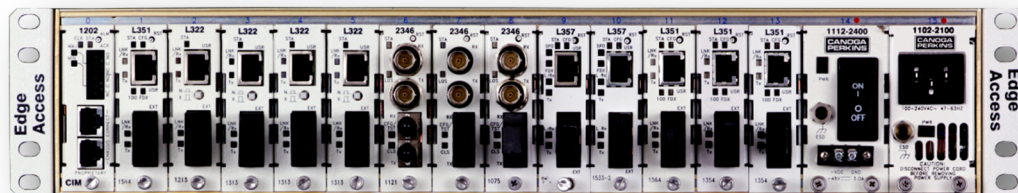EN 60825-1, IEC 60825-1
EN 55022, EN 55024
EN 61000-3-2, EN 61000-3-3
FCC Part 15B, Class A
ICES-003 Class A
C-Tick (AS/NZS 3548)
NEBS Level 3

L351 and L357 ESUs, and 2346 Fiber Optic Modems in UCS1002 Managed Chassis

CANOGA PERKINS

MADE IN THE USA
Headquartered · Designed · Manufactured

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