

Benefits and Features

- ❖ Ideal for extending DS3 services from Telco Systems' EdgeLink100XTO over fiber
- ❖ Protected or unprotected configurations
- ❖ Passes framed and unframed DS3 signals
- ❖ Single mode fiber optics
- ❖ -48 VDC and 115/230 VAC with converter
- ❖ SC fiber connectors
- ❖ 1300nm LASER
- ❖ Compact, only 1 RU
- ❖ Rack or wall mountable
- ❖ Conforms to ANSI, Bellcore, and AT&T standards

EdgeLink-T3-E/O Fiber Transport Terminal



A cost-effective solution for extending DS3 services over fiber

EdgeLink-T3-E/O® Fiber Transport Terminal provides long-haul transport of standard DS3 signals over single mode fiber optic cable. EdgeLink-T3-E/O is ideal for a variety of high-speed applications including extending DS3 point-of-presence (POP) from service providers' demarcation points or linking DS3 multiplexers, such as Telco Systems' EdgeLink100XTO® DS3 Multiplexer, over fiber optic cable in a campus network. Its compact chassis, only one rack unit, is the perfect space saver for cramped co-location environments where rack space is limited. It is commonly deployed today for DS3 network access extensions, PBX extensions, and fiber to radio towers.

EdgeLink-T3-E/O is rack or wall-mountable and is available in either protected or unprotected configurations to suit the needs of each particular application. Other important EdgeLink-T3-E/O features include: it transports any B3ZS coded data stream with either framed or unframed formats and it provides diagnostic and fault isolation features when transporting M13 or C-bit parity framed DS3 signals.

Specifications

DS3 Electrical Interface

Number of Duplex Lines	1 per shelf, BNC, male
Line Rate	44.736 Mbps \pm 20 ppm
Line Code	B3ZS (Bipolar three zero substitution)
Framing	P-Bit (M13)
Redundancy	1:1
Line Impedance	75 ohm, unbalanced
Cable	728A, 734, 735
Span	450 ft. to cross-connect (728A only)

DS3 Optical Interface

Number of Duplex Lines	1 per module, SC
Redundancy	1+1
Transmitter	Laser
Fiber Optic Cable	Single mode
Wavelength	1310nm
Power Level	-8dBm to -15dBm (-11dBm typical)
Input Sensitivity	-38dBm
Saturation Level	-7dBm
Loss Budget	Dynamic Range 31dB

Diagnostic Indicators

Operating Mode	Active (Green LED)
Alarms	Local Alarm, Remote Alarm, Loopback (Yellow LED)
ACO	Alarm Cut Off (Push button)
Alarm Relay Contacts	Wire-wrap, Critical (Local), Far End Alarm

Power Requirements

Voltage	-41.5 to -56.3 Vdc
Power Consumption	20 Watts
Current Draw	0.42 Amps typical
Recommended Fuse	1.5 Amps

Environmental

Operating Temperature	32° F to 122° F (0° C to 50° C)
Relative Humidity	Up to 90%, non-condensing
Altitude	Up to 10,000 ft. above sea level

Compliance

FCC Part 15 Class A
 UL1950
 NEBS Compliant
 GR-499-CORE, GR-253-CORE

Dimensions

Height	1.75", 1 rack unit
Width	17.15"
Depth	12"
Weight	7 lbs fully loaded

Ordering Information

Part Number	Description
AXX310G1	Protected
AXX310G10	Unprotected

