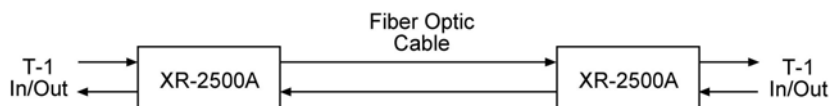


XR-2500A

Bidirectional fiber optic transmission of T-1 telephone-related signals over two single mode or multimode fibers



XR-2500A - Analog

SIGNAL	CHANNELS	DIRECTION
T-1 telephone	1	↔

Description and Features:

Transmits and receives conventional 1.544 Mb/sec T-1 telephone-related signals

System consists of two transceiver units; card or box version. Each end, plus power supplies, must be purchased separately

Signal processing circuitry uses linear modulation and a signal regeneration scheme that allows excellent transmission of even distorted input T-1 signals

Balanced input and output

Integral LEDs and loss of signal alarm provide continuous monitoring of system operation

Built-in regulators allow operation from unregulated AC or DC sources

Card version fills one slot in MCR-1000A rackmountable card cage

Ordering Information:

Part Number	Description	Number of Fibers
XR-2500A-1	Transceiver Box, 850 nm, Multimode	2
XR-2500A-3	Transceiver Box, 1310 nm, Multimode	2
XR-2500A-7	Transceiver Box, 1310 nm, Single Mode	2
MCR-1000A*	Rackmountable Card Cage	
XP-1000AW	115 volts AC, 50/60 Hz plug-in adaptor	
XP-1001AW	230 volts AC, 50/60 Hz plug-in adaptor	

To order a rackmounted version of any XR-2500A unit, add an "/MCR" to the part number followed by a "-1", "-3" or "-7". Each module occupies one slot in the MCR-1000A card cage. Please note that the card versions of these products are NOT compatible with the model 6000A card cage used with most Pure Digital Fiberlink products.



Data Specifications:

Number of Channels 1

 System Data Rate 1.544 Mb/sec

 Input/Output Impedance 110 Ohms, balanced

 Bit Error Rate (@ 1.544 Mb/sec) 1×10^{-9}

 Signal Connectors Terminal Block



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SIGNAL	CHANNELS	DIRECTION
T-1 telephone	1	↔

General Specifications:

Number of Fibers 2

 Operating Temperature 0 to +50 degrees C

 Operating Power (per unit) +12 to +18 volts DC or 14 to 18
 volts AC, 50/60 Hz @ 250 mA

 Dimensions 4.5 W x 1.38 H x 7 L (inches)
 114 W x 35 H x 178 L (mm)

 Weight approx. 1 lb.; 0.45 kg

 Optical Connectors ST: multimode; FCPC: single mode

 Optical Wavelength 850 or 1310 nm

 Optical Fiber 50 or 62.5 micron multimode fiber
 8/10 micron single mode fiber

Operating Loss Budget:

Fiber Type	Loss(dB)
50 micron	0-8
62.5 micron	0-12
8/10 micron	0-8

For system to operate properly, operating loss budget must not be exceeded.

Warranty:

The XR-2500A transmission system is backed by a three-year limited warranty on parts and labor, plus a 30-day satisfaction guarantee. See website for terms and conditions.



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