

## Audio Transceiver

AX-1001

### Fiber Optic Audio Transceiver

The **Litelink**® AX-1001 consists of a fiber optic transmitter and a fiber optic receiver in the same housing, providing bi-directional high quality line level audio transmissions. Applications include public address systems, intercoms and general-purpose audio point-to-point distribution systems.

Both multimode and single-mode versions are available and installation requires just a single one-minute adjustment. In addition, integral indicators are provided on both units to continuously indicate the presence of audio signals as well as operating power making system troubleshooting simple.

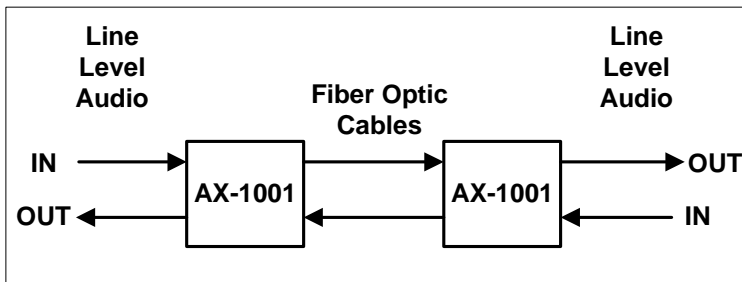


### Technical Specifications

Audio Bandwidth	30Hz to 50KHz (+0,-3dB)
Input / Output Impedance	600 ohms
Input /Output Configuration	balanced or unbalanced
Input / Output Level	3 volt pp (1volt rms)
Signal / Noise Ratio*	60 dB minimum
Linearity and THD*	3% maximum
Operating Wavelength	850, 1310 or 1550nm
Optical Loss Budget	0-12 dB (multimode or single-mode)
Optical Connectors	ST (multimode) FCPC (single-mode)
Operating Temperature	-35° to +75°C
Humidity	<95% non condensing
MTBF (per MIL HBK 217D)	>120,000 hours
Power Requirements	11-24 VAC/DC @150 mA
Physical Size (mm)	5.0" (127) W x 1.0" (25.4) H x 3.0" (76) L

\* Measured with 1Km of 62.5u multimode fiber.

Note that all specifications are subject to change without prior notice.



### Important Features

- **Cost Effective**
- **12 dB Loss Budget**
- **Signal & Power Indicators**
- **Stand-alone, DIN or Rack Mountable (same unit)**

### Ordering Information

Transceiver AX-1001-x

"x" = Wavelength/Fiber

-1 = 850nm Multimode, ST  
-3 = 1310nm Multimode, ST  
-7 = 1310nm Single-mode, FC  
-9 = 1550nm Single-mode, FC

For an isolated version with no connection to the housing add "-ISO" to the end of the part number.

For stand-alone operation order a PS-1205 US power supply for each unit.

**Litelink**®  
Fiber Optic Transmission Systems

www.LiteLink.com  
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