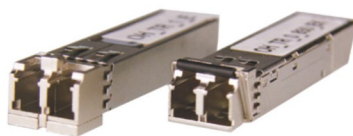


MADI/Fiber Transceiver

- MADI Optical to MADI Coaxial converter
- Supports up to 64 channels of audio (IIN and OUT)
- Real time conversion with no degradation of signal quality
- Singlemode and Multimode versions
- Distance up to 10km* (6.2 miles) using Singlemode fiber
- Distance up to 550m* (1804 feet) using Multimode fiber
- Duplex LC single- or multimode optical connections
- Supports hot swapping and hot plugging

The OTR 1210 is a MADI fiber transmitter and receiver combined in a single package. The module is designed to convert up to 64 audio channels bidirectionally (64 IN & 64 OUT) between MADI Optical and MADI Coaxial (electrical) formats. Conversion is real time [no latency] and does not degrade the signal quality.

The OTR 1210 is compact and cost-effective solution to extend the reach of MADI audio over long distances. When paired with another OTR 1210 at the receiving end (using two fiber links) you have a cost-effective, zero latency MADI extender system. Two versions are available. The singlemode fiber version will transport MADI over distances up to 10km*, and the multimode version up to 550m*.



Singlemode SFP Multimode SFP

Using the same basic module we provide two versions suitable for singlemode or multimode fiber. Each version has a different SFP installed.

Power Adapter Options

The kit **INCLUDES** AC power supplies. The power adapters below are optional.



P-TAP 1000

Use with a standard battery P-TAP power source.

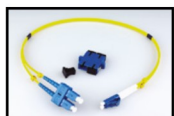


XLR 1000

Use with a standard 4 pin XLR camera battery power source.

Fiber Adapter Options

These adapter kits allow the use of ST, SC or FC fiber connections on the module.



Model# **LC/SC DUP**
LC/PC to SC/PC Adapter



Model# **LC/ST DUP**
LC/PC to ST/SC Adapter



Model# **LC/FC DUP**
LC/PC to FC/SC Adapter



Technical Specifications

Coax Input	1 x 75 Ohm BNC connector Supported standards: AES10-2008 Cable length 250m (Belden 1694A)	
Coax Output	1 x 75 Ohm BNC connector Amplitude: 750mV P/P Cable length 250m (Belden 1694A)	
Fiber Optic	1 x fiber optic input 1 x fiber optic output Duplex connection using LC/PC Connections TX active and RX active LEDs on side of module Singlemode Version: OTR 1210 Transmitter Wavelength 1310nm Optical Power -9dBm to -3dBm Receiver Wavelength 1260nm to 1620nm Sensitivity -23 dBm (max) Max. Distance* 10km (6.2 miles) Multimode Version: OTR 1210 MM-850 Transmitter Wavelength 850nm Optical Power -7dBm to -2dBm Receiver Wavelength 850nm Sensitivity -15dBm (min) Max. Distance* 2km (1.2 miles) Multimode Version: OTR 1210 MM-1310 Transmitter Wavelength 1310nm Optical Power -20dBm to -14dBm Receiver Wavelength 1270nm to 1620nm Sensitivity -30dBm Max. Distance* 2km (1.2 miles)	
Power	+12V DC @ 1.7W nominal - (supports 7 - 24VDC input range) Power LED on side of module	
Physical	Size 140mm x 42mm x 22mm (incl. connectors) (5.51" x 1.65" x 0.86") Weight 125g (4.4oz)	
Ambient	5 - 40°C (41 - 104°F) 90% Humidity (non condensing)	
Model #	OTR 1210 EAN# 4250479324671 OTR 1210 MM-850 EAN# 4250479324688 OTR 1210 MM-1310 EAN# 4250479326224	
Includes	Module, SFP Module, AC power supply	

*Distance is an approximation. Actual distances achieved can be longer or shorter depending on the type of cable. Determine link losses and perform optical budget calculations to ensure correct operation.

