

### MADI/Fiber Transceiver

- MADI Optical to MADI Coaxial converter
- Supports up to 64 channels of audio (IN 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.



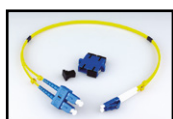
**P-TAP 1000**  
Use with a standard battery P-TAP power source.



**XLR 1000**  
Use with a standard 4 pin XLR camera battery power source.

### Fiber Adapter Options

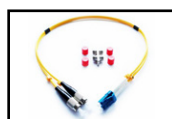
These adapter kits allow the use of ST, SC or FC fiber connections on the module.



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

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

