

## MADI / Fiber Bidirectional Transceivers

- Bidirectional MADI send and receive over single fiber link
- MADI Optical to MADI Coaxial converters
- Supports up to 64 channels of audio (IN and OUT)
- Real time conversion with no degradation of signal quality
- Closed loop WDM fiber system
- Distances up to 10km (6.2 miles) over SMF fiber
- Supplied as matched pair (A and B version)
- Simplex LC singlemode optical connection
- Supports hot swapping and hot plugging



The OBD 1210 is a matched pair of compact MADI fiber transceivers designed to extend the reach of MADI signals over long distances (up to 10km)

The modules are 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 and only requires a single bidirectional fiber link between the modules. (singlemode fiber)

The OBD 1210 solution is supplied as a complete kit which includes two matched modules, two power supplies and a transport case.

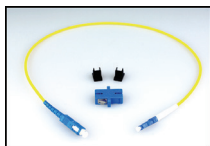
**Note.** This system used WDM optical multiplexing and should only be used in point to point applications. This solution cannot be integrated into a CWDM multiplexed system.

## Technical Specifications

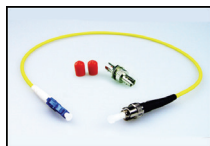
<b>Coax Input</b>	1 x 75 Ohm BNC connector Supported standards: AES10-2008 Cable length 250m ( Belden 1694A )
<b>Coax Output</b>	1 x 75 Ohm BNC connector Amplitude: 540mV P/P Cable length 250m ( Belden 1694A )
<b>Fiber Optic</b>	1 x LC Bidirectional Fiber Connection (Singlemode) 1310nm and 1550nm (WDM) 18 dBm Optical Budget Max. Distance approx. 10km (6.2 miles - Singlemode)
<b>Power</b>	+12VDC @ 2.6W nominal each module - ( supports 7 - 16VDC input range ) LED power present indicator
<b>Physical</b>	Size: 140mm x 42mm x 22mm (5.51" x 1.65" x 0.86") including connectors Weight: 125g (4.4oz) - each module
<b>Ambient</b>	5 - 40°C (41 - 104°F) 90% Humidity (non condensing)
<b>Model #</b>	OBD 1210 - ( EAN# 4250479324640 )
<b>Includes</b>	2 x Modules, ( Type A + Type B ) 2 x AC power supplies, Transport case

## Fiber Adapter Options

These adapter kits allow the use of ST or SC fiber connections on the modules. SMF 0.5m (19.6") tail introduces less than 0.25dB attenuation.



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



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

## 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

Specifications subject to change