**MADI / Fiber Transceiver - CWDM**

- 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
- Distances up to 40km (24.8 miles) over fiber
- 18 CWDM wavelength selections (ITU-T G.694.2)
- Duplex LC singlemode optical connections
- Supports hot swapping and hot plugging

The OTR 1240 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 1240 is compact and cost-effective solution to extend the reach of MADI audio over long distances. When paired with another OTR 1240 at the receiving end (using two fiber links) you have a cost-effective, zero latency MADI extender system for distances up to 40km.

18 selectable CWDM wavelengths are provided to enable the module to be used in a multiplexed CWDM environment.

### 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.

### Ordering Info:

Note: The **OTR 1240** price **DOES NOT INCLUDE** the fiber transmitter SFP sub module. Please specify the required wavelength from the option list below.

### CWDM Wavelength Options (select one)

<table>
<thead>
<tr>
<th>Wavelength</th>
<th>TX Power</th>
<th>RX Sensitivity</th>
<th>Option #</th>
</tr>
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<tbody>
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<td>-5 to 0 dBm</td>
<td>-21dBm</td>
<td>OH-TR-54-1270</td>
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<td>-21dBm</td>
<td>OH-TR-54-1430</td>
</tr>
</tbody>
</table>

### 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
  - Input Range: 1270-1610nm, Sensitivity: -3dBm to -23dBm
- 1 x fiber optic output
  - CWDM (ITU-T G.694.2) 18 selectable wavelengths - see table
  - Duplex connection using LC Connections
  - Max. Distance approx. 40km (24.8 miles - Singlemode)

#### Power
- +12VDC @ 2.7W nominal (with SFP installed) - (supports 7 - 16VDC input range)
- LED power present indicator

#### Physical
- Size: 140mm x 42mm x 22mm (5.51” x 1.65” x 0.86”) including connectors
- Weight: 125g (4.4oz)

### Model #
- OTR 1240 - [EAN# 4250479324695]

### Includes
- Module, AC power supply

### Fiber Adapter Options

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

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

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

Specifications subject to change.