

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.

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)
Ambient	5 - 40°C (41 - 104°F) 90% Humidity (non condensing)
Model #	OTR 1240 - (EAN# 4250479324695)
Includes	Module, AC power supply

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.

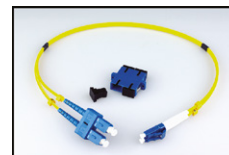
CWDM Wavelength Options. (select one)

Wave-length	TX Power	RX Sensitivity	Option #
1270nm	-5 to 0 dBm	-21dBm	OH-TR-54-1270-LC
1290nm	-5 to 0 dBm	-21dBm	OH-TR-54-1290-LC
1310nm	-5 to 0 dBm	-21dBm	OH-TR-54-1310-LC
1330nm	-5 to 0 dBm	-21dBm	OH-TR-54-1330-LC
1350nm	-5 to 0 dBm	-21dBm	OH-TR-54-1350-LC
1370nm	-5 to 0 dBm	-21dBm	OH-TR-54-1370-LC
1390nm	-5 to 0 dBm	-21dBm	OH-TR-54-1390-LC
1410nm	-5 to 0 dBm	-21dBm	OH-TR-54-1410-LC
1430nm	-5 to 0 dBm	-21dBm	OH-TR-54-1430-LC

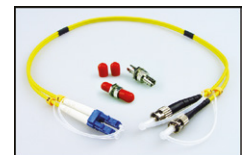
Wave-length	TX Power	RX Sensitivity	Option #
1450nm	-5 to 0 dBm	-21dBm	OH-TR-54-1450-LC
1470nm	-5 to 0 dBm	-21dBm	OH-TR-54-1470-LC
1490nm	-5 to 0 dBm	-21dBm	OH-TR-54-1490-LC
1510nm	-5 to 0 dBm	-21dBm	OH-TR-54-1510-LC
1530nm	-5 to 0 dBm	-21dBm	OH-TR-54-1530-LC
1550nm	-5 to 0 dBm	-21dBm	OH-TR-54-1550-LC
1570nm	-5 to 0 dBm	-21dBm	OH-TR-54-1570-LC
1590nm	-5 to 0 dBm	-21dBm	OH-TR-54-1590-LC
1610nm	-5 to 0 dBm	-21dBm	OH-TR-54-1610-LC

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

OTR1240-rev06 Specifications subject to change