

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
- Distance 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.

Note: This yellobrik **DOES NOT INCLUDE** the fiber SFP module. Please specify the required SFP option from the option list.

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 (singlemode) connection using LC/PC Connections	
Transmitter:	Wavelength	See CWDM Wavelength Options
	Optical Power	See CWDM Wavelength Options
Receiver	Wavelength	1260nm to 1620nm
	Sensitivity	See CWDM Wavelength Options
Max. Distance*	40km (24.8 miles)	
	TX & RX active LEDs on side of module	
Power	+12V DC @ 2.6W nominal - (supports 7 - 24V DC input range)	
	Power LED on side of module	
Physical	Size (incl. connectors)	140mm x 42mm x 22mm (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 1240	EAN# 4250479324695
Includes	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.

CWDM Wavelength Options (select one)

Wavelength	TX Power	RX Sensitivity	Option #	EAN
1270nm	-5 to 0 dBm	-23dBm	OH-TR-54-1270-LC	4250479312753
1290nm			OH-TR-54-1290-LC	4250479312951
1310nm			OH-TR-54-1310-LC	4250479313156
1330nm			OH-TR-54-1330-LC	4250479313354
1350nm			OH-TR-54-1350-LC	4250479313552
1370nm			OH-TR-54-1370-LC	4250479313750
1390nm			OH-TR-54-1390-LC	4250479313958
1410nm			OH-TR-54-1410-LC	4250479314153
1430nm			OH-TR-54-1430-LC	4250479314351
1450nm			OH-TR-54-1450-LC	4250479314559
1470nm			OH-TR-54-1470-LC	4250479314757
1490nm			OH-TR-54-1490-LC	4250479314955
1510nm			OH-TR-54-1510-LC	4250479315150
1530nm			OH-TR-54-1530-LC	4250479315358
1550nm			OH-TR-54-1550-LC	4250479315556
1570nm			OH-TR-54-1570-LC	4250479315853
1590nm			OH-TR-54-1590-LC	4250479315952
1610nm			OH-TR-54-1610-LC	4250479316157

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.



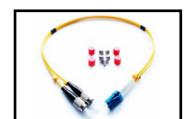
XLR 1000
Use with a standard 4 pin XLR camera battery power source.



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

Fiber Adapter Options

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

