

yellobrik®

OTR 1240

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 bi-directionally (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: 540mV 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, transport case

Power Adapter Options

The kit **INCLUDES** AC power supply. 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:

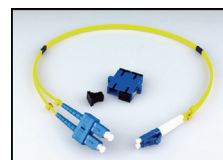
Note. The **OTR 1240** price **DOES NOT INCLUDE** the fiber transceiver SFP sub module. Please specify the required wavelength from the option list below when ordering.

CWDM TX Wavelength Options (select one)

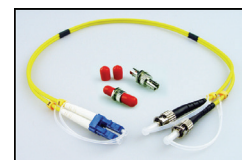
Wavelength	Power	Option #	Wavelength	Power	Option #
1270nm	+2dBm	OH-TR-54-1270	1450nm	+2dBm	OH-TR-54-1450
1290nm	+2dBm	OH-TR-54-1290	1470nm	+2dBm	OH-TR-54-1470
1310nm	+2dBm	OH-TR-54-1310	1490nm	+2dBm	OH-TR-54-1490
1330nm	+2dBm	OH-TR-54-1330	1510nm	+2dBm	OH-TR-54-1510
1350nm	+2dBm	OH-TR-54-1350	1530nm	+2dBm	OH-TR-54-1530
1370nm	+2dBm	OH-TR-54-1370	1550nm	+2dBm	OH-TR-54-1550
1390nm	+2dBm	OH-TR-54-1390	1570nm	+2dBm	OH-TR-54-1570
1410nm	+2dBm	OH-TR-54-1410	1590nm	+2dBm	OH-TR-54-1590
1430nm	+2dBm	OH-TR-54-1430	1610nm	+2dBm	OH-TR-54-1610

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/PC Adapter

Specifications subject to change

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