

Optical Fibre

Single Channel Bi-Directional 3.5mm Stereo Audio



Description

The UFCMC-3.5mm-1BA 1-Channel bi-directional unbalanced audio fiber converter sends 3.5mm stereo audio signal up to 20km on single mode fiber.

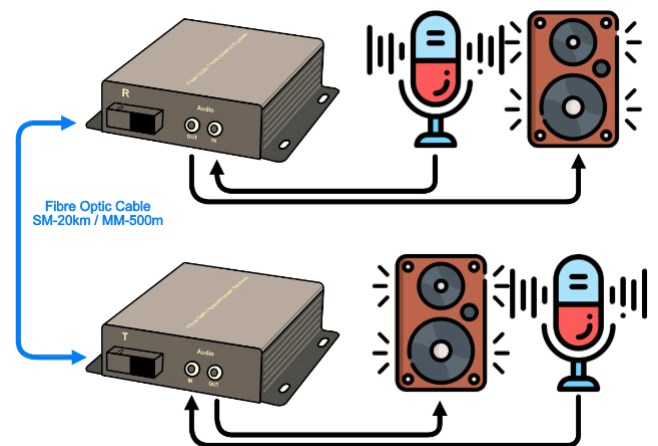
Features

- Supports 1-channel bidirectional unbalanced 3.5mm stereo analog audio transmission
 - up to 32 channels (available on special order)
- Serial outputs up to 24 bits (optional on special order)
- Measurement bandwidth 10hz to 20khz; Fs is high rate mode = 96 kHz
- Using FPGA, digital coding/decoding and clock recovery technology, high integration and high stability
- Single and multi-mode compatible, multi-mode transmission distance 1Km, single-mode transmission distance 20Km
- LED status indicators to monitor the running status of the device
- Plug and play, no setup required
- Devices are supplied as matched pairs with transmitter and receiver
- 12 Month Warranty
- Other versions are available on special order
 - Max of 32 audio channels



Specifications

Fibre	Wavelength: Power Levels: Fibre Port:	1310 & 1470nm Tx: >-7db, Rx: >-24db SC Simplex
Audio	Dynamic Bandwidth: THD: Signal to Noise Ratio: Sampling Frequency: Frequency Response: Input/Output Impedance:	96db -88dB -88 dB 24 Bit 10hz to 20Khz 600 Ω
Power	Power Supply:	5V DC
Physical	Operating Temperature: Storage Temperature: Size:	-20 to +70°C -40 to +80°C 104 x 104 x 28mm



Part Numbers

UFCMC-3.5mm-1BA 1-Channel Bi-directional 3.5mm Stereo Audio over Fiber Converter, Single Mode, Single Fiber, SC 20KM, including Transmitter & Receiver, used as matched pairs

other configurations available on request