

Desktop 4-channel XLR broadcast audio Fiber Mux

Specifications

Overview

1-4 channels integrated multiplexing audio optical transmitter/receiver adopts digital coding technology, the audio interface is XLR (XLR), which can pass audio signal, data signal, switch signal and Ethernet signal through a single-mode optical fiber Realize long-distance two-way transmission, and the signal can be transmitted up to 100Km without distortion or relay. The audio interface uses 24Bit AD/DA, 128K sampling, studio-level transmission quality.

Audio optical transceivers are composed of optical transmitters and optical receivers, which can be configured into 2 channels of two-way audio and 4 channels of one-way audio.

Photo



Features

- All-digital optical fiber transmission platform, flexible configuration of multiple services on the same platform;
- Aluminum alloy anodized shell, IP40 protection level;
- The audio interface is XLR XLR balanced interface, high dynamic range;
- Desktop type, 4U rack plug-in card type are available;
- Single fiber transmission, optional dual fiber;
- Audio uses 24Bit AD/DA, 128K sampling, studio-level transmission quality;
- The audio interface provides three-level lightning protection function, which can pass the test of ITU-T K.21 (10/700 μ S), common mode: 6KV, impedance (40 Ω).



Parameters

◆ Audio

- Signal level: 0.5-4Vp-p
- Input/output impedance: 600Ω (unbalanced or balanced)
- AD/DA bit width: 24Bit
- Sampling frequency: 128K
- Bandwidth: 20Hz-20KHz
- Total harmonic distortion: <1%
- Signal to noise ratio (SNR): >85dB
- Connection terminal: XLR (XLR) balanced interface

◆ Optical

- Working wavelength: 1310nm, 1550nm
- Fiber: single mode 9/125um
- Optical interface: FC, SC, ST
- * The distance of optical fiber transmission is limited

by the loss of optical path and the additional loss caused by connecting terminals, joints and patch panels. Transmission distance may also be limited by fiber bandwidth.)

◆ Electrical and mechanical

characteristics

- Voltage: DC 12V
- Power consumption: ≤3W

◆ Working environment

- Working temperature: -10℃—+70℃
- Storage temperature: -40℃—+85℃
- Working humidity: 0%—95% (no condensation)
- MTBF: > 100,000 hours

Specifications

Product number	FCA-A4Z
Product Function Description	1-4 channel pure audio digital fiber mux, 24bits sampling, sampling accuracy 128K, audio interface is XLR
Business port description	4 audio XLR interface, 1 optical fiber interface
Power supply	DC 5V
Product Size	168 (W) X140 (D) X44 (H) mm (excluding hanging ears) Desktop type, aluminum alloy shell
weight	0.6kg

Application

