

FiberLink® 4320 Analog Audio Series



Thirty-two independent audio channels digitally transmitted over one fiber with optional redundancy

The FiberLink 4320 Series digitally transmits thirty-two independent audio channels over one multimode or single mode fiber at 850,

1310 or 1550 nm, with optional redundancy. It is ideal for rental, staging, theaters, stadiums, theme parks and broadcast applications.



FEATURES

Transmits over one multimode or single mode fiber at 850, 1310 or 1550 nm

Optional redundant optical input/output

System consists of transmitter and receiver unit

No adjustments; pure digital processing and transmission

24 bit/96 kHz sampling; maximum audio level +24 dBu

20 Hz to 20 kHz frequency response

Line level, balanced or unbalanced audio operation

Indicator LEDs monitor audio signals and power

Wide range internal power supply

Unit stands 1 RU high

Rackmount ears are included

SPECIFICATIONS

General Specifications

LED Indicators Power; Audio Present (per channel)

Power Requirements* 95-250 volts AC, 47-63 Hz

Operating Temperature Range -35° to +55° C

Relative Humidity 10%-90% (non-condensing)

Optical Connectors ST

Operating Wavelength 850, 1310, or 1550 nm

Physical Size 1.75 H x 16.75 W x 10 D (inches)

44 H x 425 W x 254 D (mm) Unit stands 1 RU high

Weight Approximately 5 lbs.; 2.25 kg

Audio Specifications

Number of Audio Channels 32, balanced or unbalanced Frequency Response 20 Hz - 20 kHz, +0/-0.5 dB 24 bits; 96 kHz

Bits-per-Sample/Sampling Rate Maximum Audio Level +24 dBu SNR (A-Weighted) 95 dB

THD+N 0.002%; 20 Hz - 20 kHz

Channel Phase Differential 0.10

200 us + fiber cable propagation delay System Latency

(typically 5 us/km of fiber)

600 Ohms terminated; Input Impedance

24 k Ohms unterminated

Output Impedance 50 Ohms Audio Connectors

Removable screw terminal Switches

Dip switches to select input termination, balanced or unbalanced input/output Selectable on a per-channel basis

Operating Loss Budget & Maximum Usable Distance*

Wavelength	Loss(dB)	Distance (km)	
850 MM	0-20	0-2	
1310 MM	0-25	0-10	
1310 SM	0-23	0-55	
1550 SM	0-25	0-80	

SM = Single Mode Fiber MM = MultiMode Fiber







All specifications subject to change without notice. ©2016

Ordering Information

Part Number	Description	Fiber Cores
4320-Sz2-y1y2-pp	Transmitter, Box Version	1
4321-Sz2-y1y2-pp	Receiver, Box Version	1

Power Supply Suffix Codes (pp) for AC Line Cord:

NA - North America AU - Australia EU - Europe UK - United Kingdom JP - Japan

z₁ = optical connector type for main output (4320) and main input (4321). An option **must** be specified.

S - ST connector

 \mathbf{z}_{2} = optical connector type for optional second output (4320) and

> N - No second input/output S - ST connector

input (4321).

y, = wavelength selection for main output (4320) and main input (4321). An option must be specified.

1 - 850 nm multimode

3 - 1310 nm multimode

7 - 1310 nm single mode

9 - 1550 nm single mode

y2 = wavelength selection for optional second/redundant output (4320) and input (4321).

0 - No second input/output

1 - 850 nm multimode

3 - 1310 nm multimode

7 - 1310 nm single mode

9 - 1550 nm single mode



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^{*}Distance specifications are only approximate and are not guaranteed. Operating loss budget must not be exceeded.