



Audio Link(Transceiver)



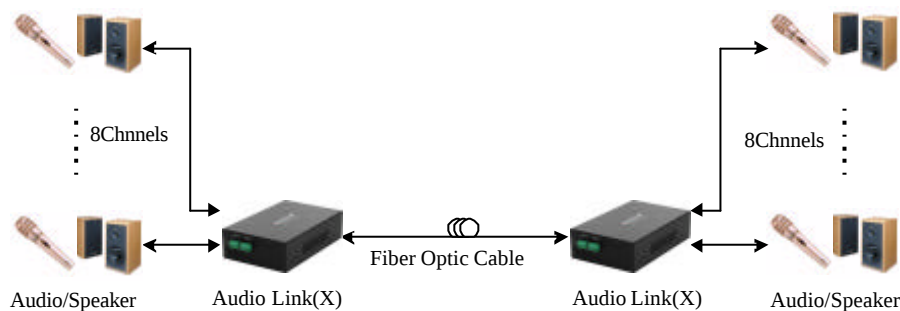
➤ Main Features

- 2.2V_{p-p}(600 Ohm) input audio signals
- 20Hz ~ 20KHz bandwidth
- Transmission distance up to 80km(at 1550nm SM)
- 7~25Vdc free-volt power input
- FM, Digital modulation
- Ambient operating temperature : -40~70°C

➤ Descriptions

Cominet's Audio Link converts audio signals from microphones to optic signals and transmits up to 80km. It is free from electric noise compare to coaxial cable and has the powerful advantage that transmits multi-channels of audio signals without additional equipment through a pair of or just one optic line. FM(Frequency Modulation) type of optic link can transmits maximum 4 channels of audio signals compare with a capability of 1 channel of AM(Amplitude Modulation) type, and DM(Digital Modulation) type has the capability of 8 channels and more. Compare with two analog(AM, FM) types, DM type is immune from noise and can transmits higher quality of signals to long distance remote site.

➤ Applications



➤ Ordering Information

Mode	Model Name	Description	Fiber Count	Max. Distance
Multi Mode	A020-32X-80	2ch Audio bi-dir. Transceiver DM 850nm	2	1km
	A040-32X-30	4ch Audio bi-dir. Transceiver DM 1310nm		500m
	A080-32WA-A0 A080-32WB-B0	Max 8ch Audio bi-dir. Transceiver DM 850/1310nm Max 8ch Audio bi-dir. Transceiver DM 1310/850nm	1	500m
Single Mode	A040-32X-32	4ch Audio bi-dir. Transceiver DM 1310nm	2	20Km
	A040-32X-54	4ch Audio bi-dir. Transceiver DM 1550nm		40Km
	A080-32X-56	Max 8ch Audio bi-dir. Transceiver DM 1550nm		60Km
	A080-32X-58	Max 8ch Audio bi-dir. Transceiver DM 1550nm		80Km
	A080-32WA-C2/4 A080-32WB-D2/4	Max 8ch Audio bi-dir. Transceiver DM 1310/1550nm Max 8ch Audio bi-dir. Transceiver DM 1550/1310nm	1	20/40Km
	A080-32WA-C6/8 A080-32WB-D6/8	Max 8ch Audio bi-dir. Transceiver DM 1310/1550nm Max 8ch Audio bi-dir. Transceiver DM 1550/1310nm	1	60/80Km

Cominet Fiber Optic Link

➤ Specifications

Specifications	Transceiver(A080-32x-xx)		Transceiver(A080-32x-xx)	
	X-80, X-31	WA-A0, WB-B0	X-32, 54, 56, 58	WA-C2, 4, 6, 8 WB-D2, 4, 6, 8
Optical Specifications				
Fiber Type	Multi-Mode	Multi-Mode	Single-Mode	Single-Mode
Number of Fiber	2 fiber	1 fiber	2 fiber	1 fiber
Wavelength(nm)	850, 1310	850/1310, 1310/850	1310, 1550	1310/1550 1550/1310
Max Distance(km)	2, 4	2	20, 40, 60, 80	20, 40, 60, 80
Connector	ST (FC – Option)			
Audio Input/Output Signal Specifications				
Number of Channels	1, 2, 4, 8 channels			
Audio Input/Output Signal	2.2V _{pp} (600 Ohm)			
Bandwidth	20Hz ~ 20KHz			
Signal-Noise Ratio	60dB			
Connector	RCA Jack			
Power Specifications				
Input Voltage	7~15Vdc for AM,FM type, 7~25Vdc or 12~24Vac for DM type			
Power Consumption(W)	6			
Connector	Terminal Block			
Environment Specifications				
Operating Temperature	-40°C ~ 70°C			
Storage Temperature	-50°C ~ 85°C			
Humidity	0% ~ 95%(Non-Condensing)			
Physical Specifications				
Dimension(L×W×H)	Standalone type : 180.5×118.2×39.5(mm) Rack mountable type : 19" width, 1U height Line-card type : 3U height			



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