

↔ D Data Link(Transceiver)



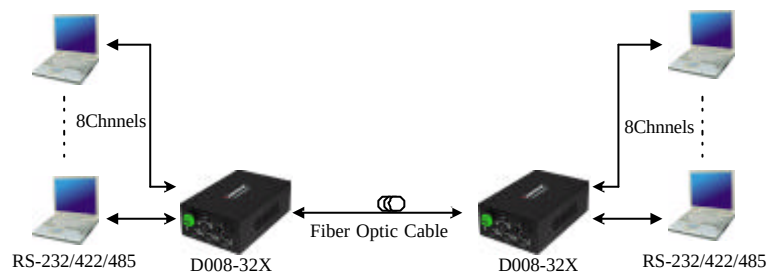
➤ Main Features

- 112Kbps data rate
- Half/Full duplex operating mode
- Transmission distance up to 80km(at 1550nm SM)
- 7 ~ 25VDC free-volt power input
- $< 1/10^9$ bit error rate
- AM, FM, Digital modulation
- Ambient operating temperature : -40~85°C

➤ Descriptions

Cominet's Data Link converts RS-232/422/485 data signals 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 data 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 data 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	D008-31X-80	Max 8ch data bi-dir. Transceiver DM 850nm	2	2Km
	D008-31X-31	Max 8ch data bi-dir. Transceiver DM 1310nm		4Km
	D008-31WA-A0	Max 8ch data bi-dir. Transceiver DM 850/1310nm	1	2Km
	D008-31WB-B0	Max 8ch data bi-dir. Transceiver DM 1310/850nm		
Single Mode	D008-31X-32	Max 8ch data bi-dir. Transceiver DM 1310nm	2	20Km
	D008-31X-34	Max 8ch data bi-dir. Transceiver DM 1310nm		40Km
	D008-31X-36	Max 8ch data bi-dir. Transceiver DM 1310nm		60Km
	D008-31X-58	Max 8ch data bi-dir. Transceiver DM 1550nm		80Km
	D008-31WA-C2/4	Max 8ch data bi-dir. Transceiver DM 1310/1550nm	1	20/40Km
	D008-31WB-D2/4	Max 8ch data bi-dir. Transceiver DM 1550/1310nm		
	D008-31WA-C6/8	Max 8ch data bi-dir. Transceiver DM 1310/1550nm	1	60/80Km
	D008-31WB-D6/8	Max 8ch data bi-dir. Transceiver DM 1550/1310nm		

Cominet Fiber Optic Link

➤ Specifications

Specifications	Transceiver(D008-31X-xx)		Transceiver(D008-3xx-xx)	
	X-80, X-31	WA-A0, WB-B0	X-32, 34, 36, 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)			
Data(RS-232/RS-422/RS-485) Input/Output Signal Specifications				
Number of Channels	1, 2, 4, 8 channels			
Operating Mode	Half/Full Duplex			
Data Rate	112Kbps			
Bit Error Rate	< 1/10 ⁹			
Connector	D-Sub 9pin Male			
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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