

D Data Link(Transmitter/Receiver)



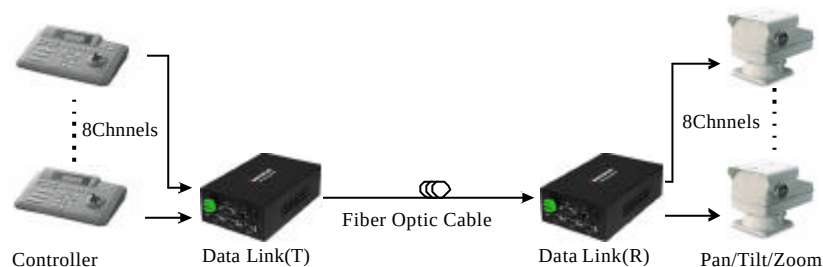
Main Features

- 112Kbps data rate
- Simplex 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	D001-10T/R-80	1ch Data uni-dir. Transmitter/Receiver AM 850nm	1	2Km
	D004-30T/R-80	4ch Data uni-dir. Transmitter/Receiver DM 850nm		2km
	D008-30T/R-80	Max 8ch Data uni-dir. Transmitter/Receiver DM 850nm		2km
	D001-10T/R-31	1ch Data uni-dir. Transmitter/Receiver AM 1310nm	1	4Km
	D004-30T/R-31	4ch Data uni-dir. Transmitter/Receiver DM 1310nm		4km
	D008-30T/R-31	Max 8ch Data uni-dir. Transmitter/Receiver DM 1310nm		4km
Single Mode	D001-10T/R-32	1ch Data uni-dir. Transmitter/Receiver DM 1310nm	1	20Km
	D004-30T/R-32	4ch Data uni-dir. Transmitter/Receiver DM 1310nm		
	D008-30T/R-32	Max 8ch Data uni-dir. Transmitter/Receiver DM 1310nm		
	D008-30T/R-34	Max 8ch Data uni-dir. Transmitter/Receiver DM 1310nm	1	40Km
	D008-30T/R-58	Max 8ch Data uni-dir. Transmitter/Receiver DM 1550nm	1	80Km

Cominet Fiber Optic Link

➤ Specifications

Specifications	Transmitter(D008-30T-xx)		Receiver(D008-30R-xx)	
	80, 31	32, 34, 36, 58	80, 31	32, 34, 36, 58
Optical Specifications				
Fiber Type	Multi-Mode	Single-Mode	Multi-Mode	Single-Mode
Number of Fiber	1 fiber			
Wavelength(nm)	850, 1310	1310, 1550	850, 1310	1310, 1550
Max Distance(km)	4, 15	20, 40, 60, 80	2, 4, 10	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	Simplex			
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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