



FIBERLINK®

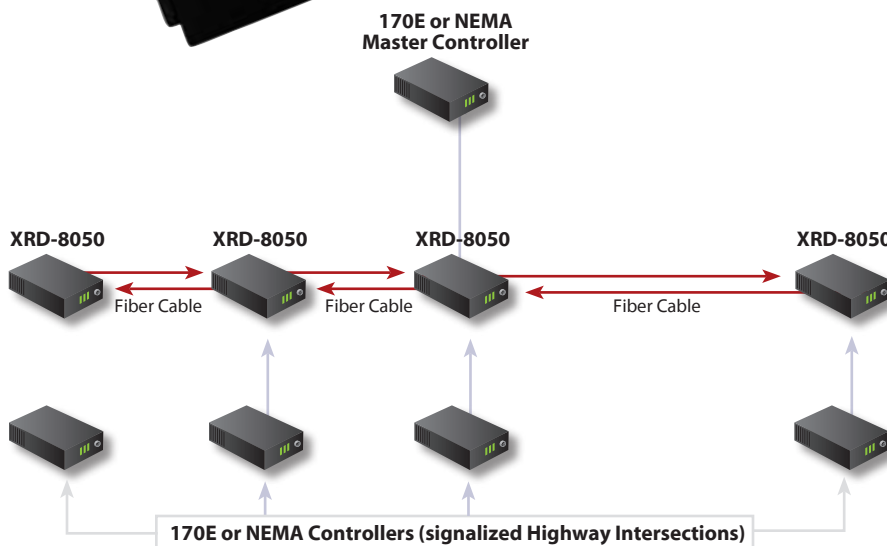
Designed & Manufactured by
CSI New York

XRD-8050

Fiber optic data transmission for CALTRANS 170 or 179 series and NEMA traffic signal controller applications

Ideal Applications:

Intelligent Transportation, Traffic and Control



Signal	Channels	Direction
CALTRANS /NEMA	Dual	↔

Features

- Implements a fiber optic master/local data bus for traffic signal controller networks
- Works with CALTRANS 170-Series, CALTRANS 179-Series and NEMA controllers
- Each transceiver, plus power supply, must be purchased separately
- Units are "daisy-chained" in a linear multi-drop configuration
- User-adjustable anti-streaming time-out feature
- 12-hour internal battery back-up
- Meets CALTRANS and NEMA traffic signal control equipment environmental requirements

Ordering Information

Part Number	Description	Number of Fibers
XRD-8050-1	Transmitter Box, 850 nm, Multimode	4
XRD-8050-3	Transmitter Box, 1310 nm, Multimode	4
XRD-8050-7	Transmitter Box, 1310 nm, Single Mode	4
XP-1000AW	115 volts AC, 50/60 Hz plug-in adaptor	
XP-1001W	230 volts AC, 50/60 Hz plug-in adaptor	

Sales

631-273-0404 | commspecial.com
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Data Specifications

Number of Channels	1
Number of Outputs per Channel	2
System Protocol:	RS-232
Control Signals:	RTS, CTS, DTR, DCD, DSR
Transmission Format	Asynchronous
System Bandwidth	0-150 Kb/sec
Signal Connectors	DB-25S

General Specifications

Number of Fibers	4
Operating Temperature	-37 to +74°C ambient
Operating Power (per unit)	+12 to +18 volts DC or AC @ 300 mA max. provided by external power source
Dimensions	7 W x 5 H x 2 L (inches) 128 W x 127 H x 51 L (mm)
Weight	approx. 1 lb.; 0.45 kg
Optical Connectors	ST: multimode; FCPC: single mode
Optical Wavelength	850 or 1310 nm
Optical Fiber	50 or 62.5 micron multimode fiber 8/10 micron single mode fiber
Indicator LEDs	Anti-streaming, TD1, RD1, TD2, RD2, power
Shock	Per military specification MIL-STD-810D, Method 514.1, equipment class G

About CSI

Communications Specialties, Inc. (CSI) is an award-winning manufacturer of Pro A/V products for the distribution, conversion or transmission of television and computer video signals, including fiber optic transmission systems, scan converters and video scalars. The company was founded in 1983 by veterans of the broadcast industry. Since then, CSI has managed to consistently design innovative products that are used worldwide by Fortune 500 Companies in a variety of markets such as Broadcast/Professional A/V, Video Conferencing, Education, Home Theater, Security, ITS, Industrial Monitoring, and more!

Also from CSI: Scan Do® Scan Converters and Deuce® Video Scalars



GSA Schedule
Contract GS-03F-5063C

Operating Loss Budget & Maximum Usable Distance*

Fiber Type	Loss(dB)
50 micron	0-12
62.5 micron	0-15
8/10 micron	0-17

For system to operate properly, operating loss budget must not be exceeded.

Want to learn more about fiber?

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for Pro A/V Professionals by
Pro A/V Professionals!



Backed by a 30-day satisfaction
guarantee and a three-year limited
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Sales



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