



FIBERLINK®

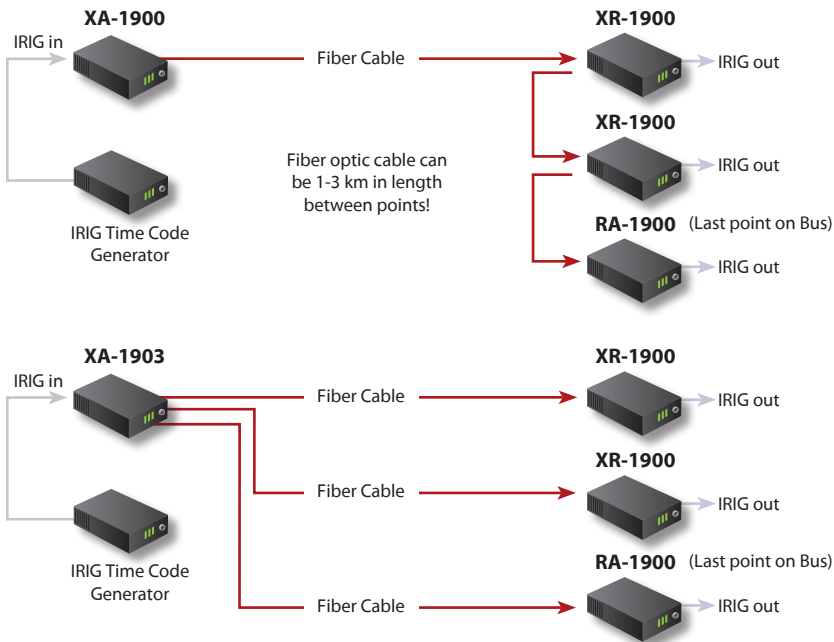
Designed & Manufactured by
CSI New York

XA/RA-1900A, XR-1900, XA-1903

Fiber optic transmission of IRIG time-code signals, configured for point-to-point, point-to-multipoint or drop-and-repeat signal distribution

Ideal Applications:

Military and the Aerospace Industries



| Signal | Channels | Direction |
|---------------------------------|----------|-----------|
| XA-1900/RA-1900 - Analog | | |
| IRIG | 1 | → |
| XR-1900 - Analog | | |
| IRIG | 1 | ↔ |
| XA-1903 - Analog | | |
| IRIG | 1 | → |

Features

Transmits IRIG and similar NASA and NBS standard instrumentation time-code formats up to 100 kHz

Combinations of four different units may be configured to provide point-to-point, point-to-multipoint or drop-and-repeat signal distribution. Each unit must be purchased separately

Built-in regulated power supplies allow operation from unregulated AC or DC sources

Transmits at 850 nm or 1310 nm over standard multimode or single mode fiber

System can be configured for four wire modem or AFSK applications

XA/RA-1900A and XR-1900 models may be mounted in the MCR-1000A card cage. The XA-1903 is provided in a 19" rackmountable enclosure

Ordering Information

| Part Number | Description | Number of Fibers |
|-------------|------------------------------------------------------------------------|------------------|
| XA-1900-1 | Transmitter Box, 850 nm, Multimode | 1 |
| XA-1900-3 | Transmitter Box, 1310 nm, Multimode | 1 |
| XA-1900-7 | Transmitter Box, 1310 nm, Single Mode | 1 |
| RA-1900-1 | Receiver Box, 850 nm, Multimode | 1 |
| RA-1900-3 | Receiver Box, 1310 nm, Multimode | 1 |
| RA-1900-7 | Receiver Box, 1310 nm, Single Mode | 1 |
| XR-1900-1 | Transceiver Box, 850 nm, Multimode | 2 |
| XR-1900-3 | Transceiver Box, 1310 nm, Multimode | 2 |
| XR-1900-7 | Transceiver Box, 1310 nm, Single Mode | 2 |
| XA-1903-1 | Transmitter Box, 850 nm, Multimode | 10 |
| XA-1903-3 | Transmitter Box, 1310 nm, Multimode | 10 |
| MCR-1000A* | Rackmountable Card Cage | |
| AP-1000 | Adaptor plate for mounting XA/RA-1900 units within MCR-1000A card cage | |
| XP-1000AW | 115 volts AC, 50/60 Hz plug-in adaptor | |
| XP-1001 | 230 volts AC, 50/60 Hz plug-in adaptor | |

*To order a rackmounted version of the XR-1900, add "/MCR" to the part number, followed by a "-1", "-3" or "-7". To order rackmounted versions of the XA/RA-1900, order an AP-1000 for use with each unit. Each module occupies one slot in the MCR-1000A card cage. Please note that the card versions of these products are NOT compatible with the model 6000A card cage used with most Pure Digital Fiberlink products.

The XA-1903 is provided in a 19" rackmountable enclosure.

Sales



CSI Communications
Specialties, Inc.

631-273-0404 | commspecial.com
info@commspecial.com

Data Specifications

| | |
|-------------------------------|-------------------------------|
| Number of Channels | 1 |
| Number of Outputs per Channel | XA/RA/XR-1900: 1, XA-1903: 10 |
| IRIG Compatibility | A through H |
| System Bandwidth (+0, -3 dB) | 20 Hz to 100 kHz |
| Input/Output Load Impedance | 600 Ohms nominal |
| Input/Output Signal Voltage | 1 volt rms |
| Signal/Noise Ratio | 67 dB typical |
| Noise Floor (full bandwidth) | 1.3 mv rms maximum |

General Specifications

| | |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of Fibers | XA/RA-1900: 1 fiber XR-1900: 2 fibers XA-1903: 10 fibers |
| Operating Temperature | -20 to +60° C |
| Operating Power (per unit) | +15 to +25 volts DC @ 250 mA or 14 to 18 volts AC, 50/60 Hz |
| Dimensions | XA-1900 and RA-1900: 5 W x 1.25 H x 2.5 L (inches) 127 W x 32 H x 64 L (mm) XR-1900: 5.75 W x 1.25 H x 4 L (inches) 146 W x 32 H x 102 L (mm) XA-1903: 19 W x 1.75 H x 6.5 L (inches) 483 W x 45 H x 165 L (mm) |
| Weight | XA-1900, RA-1900, XR-1900: Approx. 1 lb; 0.45 kg XA-1903: Approx. 3 lbs; 1.36 kg |
| Optical Connectors | ST: Multimode, FCPC: Single Mode |
| Optical Wavelength | 850 nm/MM, 1310 nm/MM, 1310 nm/SM |
| Optical Fiber | 50 or 62.5 micron multimode fiber, 8/10 micron single mode |

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!

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GSA Schedule
Contract GS-03F-5063C

Operating Loss Budget & Maximum Usable Distance*

| Fiber Type | Loss(dB) |
|-------------|----------|
| 50 micron | 0-10 |
| 62.5 micron | 0-13 |
| 8/10 micron | 0-10 |

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

Want to learn more about fiber?

Log on to commspecial.com for fiber related resources written for Pro A/V Professionals by Pro A/V Professionals!



Backed by a 30-day satisfaction guarantee and a three-year limited warranty on parts and labor. See website for terms and conditions.

Sales



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info@commspecial.com

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