



8100 Optical Distribution Series

Twelve output optical D.A. works with one-way Fiberlink systems, providing infinite signal extension and distribution options

Ideal Applications:

Digital signage, broadcast or corporate studios, auditoriums, stadiums and theaters, airport or transportation hubs, distance learning, surgical or medical imaging and more!



| Signal | Channels | Direction |
|-----------|------------|-----------|
| All types | 2 to 12 DA | → |

Features

Receives an optical signal from a Fiberlink transmitter; then digitally regenerates and relaunches it over two to 12 outputs

Works with one-way Fiberlink systems*; can support multiple channels on each output

Units may be daisy-chained to create elaborate distribution networks

Absolutely no degradation to original baseband signals

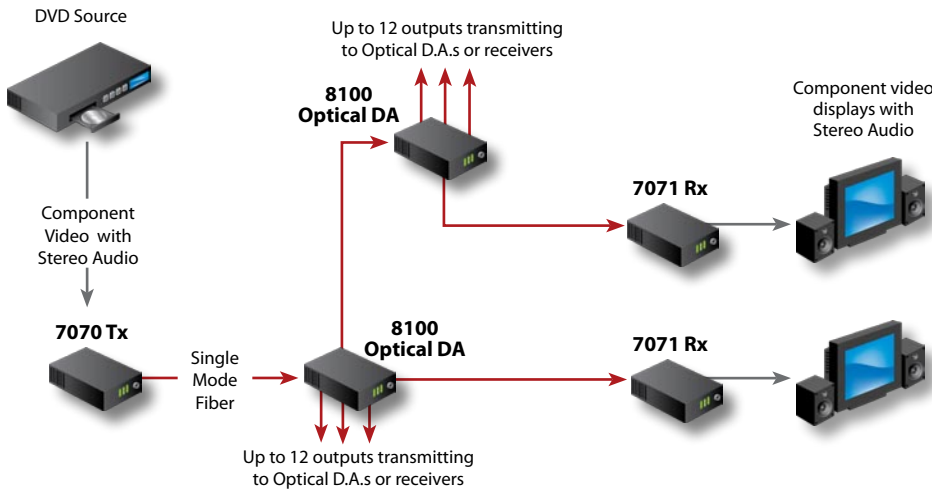
Inputs and outputs configured separately; configured in sets of two

Works with multimode or single mode fiber at 850, 1310 or 1550 nm

Stand-alone box with internal power supply

Rackmount ears provided for mounting in standard 19" rack. 1RU high

*See chart on reverse side for wavelength compatibility.



Ordering Information

| Part Number | Description |
|--------------|---------------------------|
| 8102pp-yzw | Configured for 2 output |
| 8104pp-yzww | Configured for 4 outputs |
| 8106pp-yzwww | Configured for 6 outputs |
| 8108pp-yzwww | Configured for 8 outputs |
| 8110pp-yzwww | Configured for 10 outputs |
| 8112pp-yzwww | Configured for 12 outputs |

Power Supply Suffix Codes (pp) for AC Line Cord:

NA - North America AU - Australia EU - Europe
 JP - Japan UK - United Kingdom

Part Number Suffix Codes:

w: Output Optical Wavelength/Mode/Connector
 J 850 nm, MM, ST
 K 850 nm, MM, FC
 L 1310 nm, MM, or SM, ST
 M 1310 nm, MM, or SM, FC
 N 1310 nm, MM or SM, ST High Speed
 P 1310 nm, MM or SM, FC High Speed
 Q 1550 nm, MM or SM, ST
 R 1550 nm, MM or SM, FC

y: Input Optical Wavelength/Mode
 8 850 nm, MM
 3 1310/1550, MM or SM
z: Input Connector
 S ST connector
 F FCPC connector

For operating Loss Budgets and Maximum Usable Distance, please see the 8000 & 8100 Loss Budgets Data Sheet



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Compatibility Chart

The following chart indicates which Fiberlink® systems can interface with the 8100 Series units. Note that when multiple ODA's are cascaded together, signal compatibility is a function of the Transmitter and Receiver units being used on each end of the system.

Can Receive: ●
Can't Receive: ○

8100 O.D.A.s can RECEIVE the following inputs from Fiberlink Transmitter units:

| Tx Output to D.A. | 850nm MM | 1310 nm MM | 1310 nm SM | 1550nm MM/SM |
|-------------------|----------|------------|------------|--------------|
| 3132 | ○ | ○ | ○ | ● |
| 3400 | ● | ● | ● | ● |
| 3440 | ● | ○ | ○ | ○ |
| 4040 | ● | ● | ● | ● |
| 4160 | ● | ● | ● | ● |
| 4320 | ● | ● | ● | ● |
| 7030 | ● | ● | ● | ● |
| 7040 | ● | ● | ● | ● |
| 7050 | ● | ● | ● | ● |
| 7060 | ● | ● | ● | ● |
| 7070 | ● | ● | ● | ● |
| 7100 | ● | ● | ● | ● |
| 7130 | ● | ● | ● | ● |
| 7140 | ● | ● | ● | ● |
| 7220/2/4/6 | ○ | ● | ● | ● |
| 7242 | ○ | ● | ● | ● |
| 7250* | ○ | ● | ● | ○ |
| 8000 | ● | ● | ● | ● |
| 8100 | ● | ● | ● | ● |
| Flex | ● | ● | ● | ● |

8100 O.D.A.s can TRANSMIT the following outputs to Fiberlink Receiver units:

| D.A. Output to Rx | 850nm MM | 1310 nm MM | 1310 nm SM | 1550nm MM/SM |
|-------------------|----------|------------|------------|--------------|
| 3133 | ○ | ○ | ○ | ○ |
| 3401 | ● | ● | ● | ● |
| 3441 | ● | ○ | ○ | ○ |
| 4041 | ● | ● | ● | ○ |
| 4161 | ● | ● | ● | ○ |
| 4321 | ● | ● | ● | ○ |
| 7031 | ● | ● | ● | ● |
| 7041 | ● | ● | ● | ● |
| 7051 | ● | ● | ● | ● |
| 7061 | ● | ● | ● | ● |
| 7071 | ● | ● | ● | ● |
| 7101 | ● | ● | ● | ● |
| 7131 | ● | ● | ● | ● |
| 7141 | ● | ● | ● | ● |
| 7221/3/5/7 | ○ | ● | ● | ● |
| 7243 | ○ | ● | ● | ● |
| 7251* | ○ | ● | ● | ○ |
| 8000 | ● | ● | ● | ● |
| 8100 | ● | ● | ● | ● |
| Flex | ● | ● | ● | ○ |

* The 7250 Series is a two fiber system. You will need two 8100 ODAs.

General Specifications

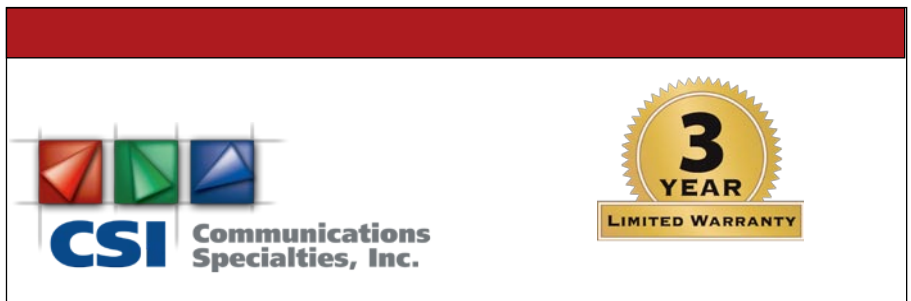
The 8100 Series Optical D.A. does not have any video, audio or data specifications of its own. These baseband specifications are a function of the Fiberlink system that is being used in conjunction with the 8100 Series. Refer to the respective product data sheets for complete information.

It should be noted that when using an 8100 Series O.D.A., operating loss budget and maximum usable distance will vary from that specified on the individual product data sheets. A supplement to this data sheet, featuring a complete listing of loss budgets, is available online. Or, you may contact CSI's sales department for assistance.

| | |
|-----------------------|---|
| Operating Wavelength | 850, 1310 and/or 1550 nm |
| Number of Fibers | 1 in; 2 to 12 out |
| Signal Connectors | ST and/or FCPC |
| LED Indicators | Power, Input Signal Present, Unit Locked to Input |
| Operating Temperature | -10° C to +40° C |
| Relative Humidity | 10% - 90% (non-condensing) |
| Operating Power | 95 - 250 volts AC, 47-63 Hz |
| Physical Size | 16.75 W x 1.75 H x 14 D (inches) 425 W x 44 H x 356 D (mm) |
| Weight | approx. 7 lbs.; 3.15 kg |

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3 YEAR LIMITED WARRANTY



Schedule Contract GS-03F-5063C

