4800/4802

Fiber Optic DVI Extension Systems

DVI → 1

(over 2 Fibers or 4 Fiber)

4800

4802

"High performance and affordable solutions for your serial digital video transmission."

Applications

- Remote DVI Transport
- Remote Workstation Video/Graphic Transmission
- Remote Flat Panel Display
- Digital Signage, Video Wall

Features

- Complies with Class 1 Laser Eye Safety
- Requires 4 Fibers for R, G, B, Clock Transmission (4800 Series)
- Requires 2 Fiber for R, G, B, clock Transmission (4802 Series)
- Operates up to 165 MHz WUXGA, 1920 x 1200, 60 Hz or 1080p HDTV up to 500M (1640 feet)
- Offers self-EDID programming feature, detecting from a display and restoring to an EEPROM in the transmitter just by plugging to the display without any physical DDC connection

The 4800/4802 Series is a high performance, yet affordable, Fiber Optic DVI Extension System that is designed to carry one (1) DVI channel, over long distances through four (4) multimode fibers (4800 Series) or through two (2) multimode and/or singlemode fibers (4802 Series). This unique fiber optic system lets your digital flat panel display extend up to 500 m away from host by TMDS digital signal transmission.

No user adjustments are required in the 4800/4802 system due to the use of advanced digital fiber optic transmission technology. This allows for a quick and easy setup, offering trouble-free operation for many years to come. The 4800/4802 system transmits R, G, B, clock signals separately through one individual fiber and can support video resolution up to WUXGA (1920 x 1200).

The 4800/4802 is available in two packaging options: a rugged, standalone unit housed in a compact case, or a plug-in card for our card cage system. Panel connectors are provided for the DVI 24-pin plug and LC-type (4800 Series) or LC-type (4802 Series) fiber connectors.

BROADATA COMMUNICATIONS, INC. DOING MORE WITH ONE FIBER plus IP

2545 W. 237th St., Torrance, CA 90505 • Phone:(800) 214-0222 • Fax: (310) 530-5958 • Email:broadata@broadatacom.com • http://www.broadatacom.com

4800/4802

Fiber Optic DVI Extension Systems

Multimedia Transmission Systems

Electrical

Signal Format	DVI
Graphic Resolution	Up to 1920 x 1200, 60 Hz
Distance	500 m
DDC Protocol	Self-EDID programming feature
Data Rate	up to 1.65 Gbps (per link)
Connector	DVI 24-pin plug

Physical

Dimension (H x W x D)	
Standalone (4800 Series) Standalone (4802 Series)	0.59" x 1.54" x 2.33" 0.59" x 1.54" x 2.33"
Card-cage plug-in card	5.24" x 0.94" x 11.6"
Power Level	+5VDC @ 0.32A (4800 Series) +5VDC @ 0.6A (4802 Series)
Operating Temperature	0 to +50°C
Humidity	0 to 95% RH, non-condensing

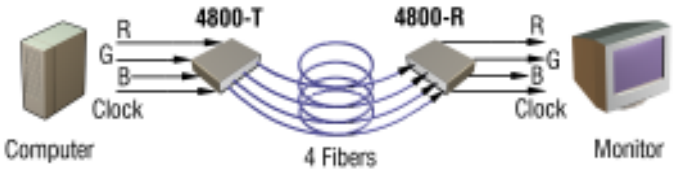
Optical

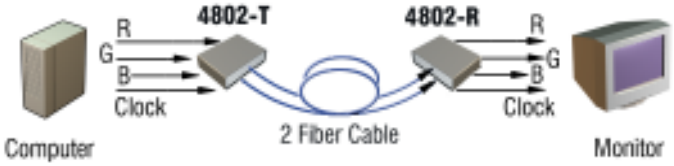
Fiber Type	Multimode (4800) Singlemode and Multimode (4802)
Number of Fibers	4 (4800 Series) or 2 (4802 Series)
Fiber Optic Connector	LC (4800 Series) LC (4802 Series)
Recommended Fiber	50/125um Multimode Glass Fiber, 400 MHz Km (min)

Ordering Information

4800-T-M-LC	DVI Video Transmitter, 850nm MMF-LC, Four Fibers
4800-R-M-LC	DVI Video Receiver, 850nm MMF-LC, Four Fibers
4802-T-M-LC	DVI Video Transmitter, 1300/1550nm MMF-LC, Two Fibers
4802-R-M-LC	DVI Video Transmitter, 1300/1550nm MMF-LC, Two Fibers

Applications





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Subject to continued product enhancement, we reserve the right to change the above specifications and description without notice.

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