



4800/4801

Fiber Optic DVI Extension Systems

DVI
→
1
(over 4 Fibers or 1 Fiber)



4800



4801

“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

Up to 500 Meter Transmission

Requires 4 Fibers for R, G, B, Clock
Transmission (4800 Series)

Requires 1 Fiber for R, G, B, clock
Transmission (4801 Series)

The 4800/4801 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 one (1) multimode fiber (4801 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 4800/4801 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 4800/4801 system transmits R, G, B, clock signals separately through one individual fiber and can support video resolution up to WUXGA (1920 x 1200).

The 4800/4801 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 SC-type (4801 Series) fiber connectors.



Doing More With One Fiber



4800/4801

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Multimedia Transmission Systems



Electrical

Signal Format	DVI
Graphic Resolution	Up to 1920 x 1200, 60 Hz
Distance	500 m
DDC Protocol	Not supported
Data Rate	up to 1.65 Gbps (per link)
Connector	DVI 24-pin plug

Physical

Dimension (H x W x D)	
Standalone (4800 Series)	0.59" x 1.54" x 2.33"
Standalone (4801 Series)	0.72" x 1.6" x 3.2"
Card-cage plug-in card	5.24" x 0.94" x 11.6"
Power Level	+5VDC @ 0.32A (4800 Series) +5VDC @ 0.6A (4801 Series)
Operating Temperature	0 to +50°C
Humidity	0 to 95% RH, non-condensing

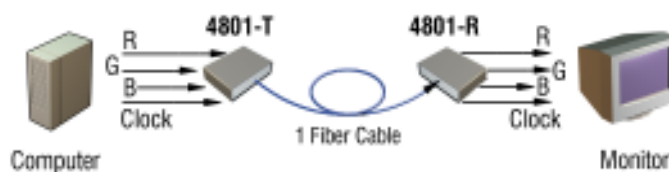
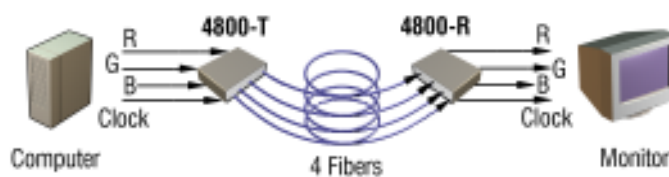
Optical

Fiber Type	Multimode
Number of Fibers	4 (4800 Series) or 1 (4801 Series)
Wavelength	850 nm
Fiber Optic Connector	LC (4800 Series) SC (4801 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
4801-T-M-SC	DVI Video Transmitter, 850nm MMF-SC, One Fiber
4801-R-M-SC	DVI Video Receiver, 850nm MMF-SC, One Fiber

Applications



Doing More With One Fiber

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

