FiberLink® 7514 DVI and Audio Series

Box or Card

■ FEATURES

DVI and Stereo Audio over one Fiber

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

Transmits single-link DVI (640 x 480 up to 1920 x 1200 - 165 MHz pixel clock)

Supports HDTV resolutions of 480p, 720p, 1080i and 1080p (DVI format)

Uses no compression, color space conversion or scaling for crystal clear signals

Only one fiber used - no pixel skewing

Supports up to 45 foot (13.72m) DVI input cable

DVI Input loop-through on transmitter

Supports EDID from loop-through, internal emulation from the transmitter, or you may capture and store EDID information.

Requires no adjustments, equalization or de-skewing during installation

Advanced input circuit equalizes and re-clocks noisy and distorted DVI input signals

Two DVI outputs on box receiver allows for driving two monitors

Transmits signals over one fiber using advanced CWDM multiplexing

Low audio/video skew, <300 uSec
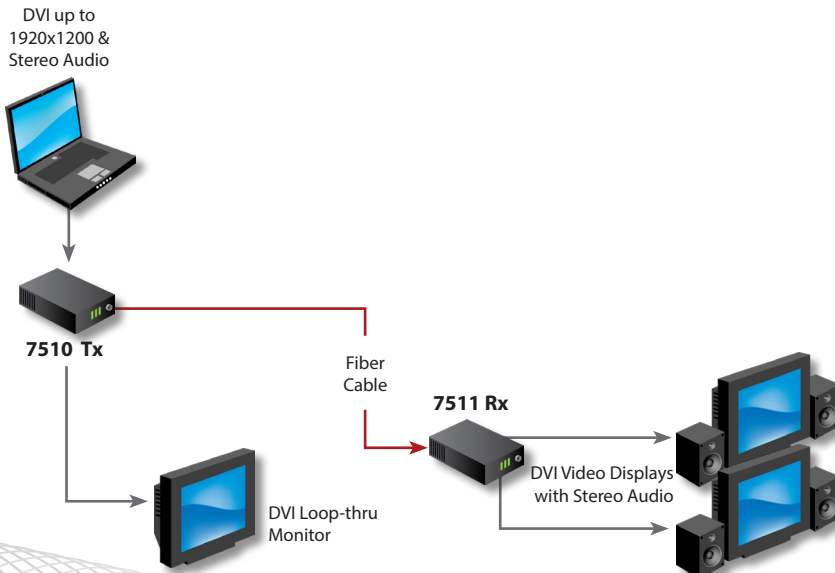
DVI transmission (up to 1920x1200) and stereo audio over one single mode or multimode fiber without compression, scaling or adjustments.

The FiberLink 7514 Series supports DVI transmission (up to 1920x1200) and stereo audio over one single mode or multimode fiber without compression, scaling or adjustments. It is ideal for Digital signage, broadcast or corporate studio, auditorium, stadium and theater, airport or transportation hub, distance learning, and surgical or medical imaging applications, to name a few!

The 7514 transmitter box provides a convenient DVI loop-thru port and the 7515 receiver provides 2 DVI outputs along with stereo audio. The 7514 transmitter will generate EDID information internally, acquire it via the DVI loop-thru, or you may capture and store EDID information.

Dual Optical Output Version available (MM version only)

DVI up to 1920x1200 & Stereo Audio

7510 Tx

Fiber Cable

7511 Rx

DVI Loop-thru Monitor

DVI Video Displays with Stereo Audio

■ SPECIFICATIONS

Video

Input Type	DVI-D or DVI-I (digital signal only) single link
Number of Video Channels	1 single-link DVI-D up to 1920x1200
Video Processing	24 bits, no compression or scaling
DVI Input Loop-through	Yes; both box & card versions
EDID (DDC) Support	From loop-through, internal or capture & storage capability
Pixel Clock Range	25 - 165 MHz, continuous
Scanning System Supported	Progressive or Interlaced
Color Space Format Supported	RGB or YPrPb
Maximum Input Cable Length	45 Feet (13.72m)
Maximum Output Cable Length	16 Feet (5m)
Number of DVI Outputs	2 on box version, 1 on card version

Audio

Number of Audio Channels	2, unbalanced
Frequency Response	+0/-0.5 dB, 20 Hz - 20 kHz
Bits-per-Sample/Sampling Rate	24 bits; >48 kHz
Maximum Audio Level	+10 dBu
SNR (A-Weighted)	100 dB
THD+N	0.001%, 20 Hz - 20 kHz
Channel Phase Differential	+0.1o
Crosstalk	100 dB (1 kHz)
Input Impedance	>24K Ohms
Output Impedance	< 1 Ohm
Audio to Video Diff. Delay (skew)	300 uSec

Operating Loss Budget and Maximum Usable Distance*

Wavelength	Loss(dB)	Distance (km)
1310 SM	0-15	15
850 MM	0-8	0.75 (50u)
		0.35 (62.5u)
850 MM Dual Optical Output Version	0-4	0.60 (50u) 0.30 (62.5u)

SM = Single Mode Fiber

MM = Multimode Fiber

*Distance specifications are only approximate and are not guaranteed. Operating loss budget must not be exceeded.

General Specifications

LED Indicators	Power, Video, Audio, Alarm LED (card version only)
Power Requirements*	9-24 volts AC or DC, 10 watts, 34.12 BTU/Hr
Operating Temperature Range	-20oC to +45oC
Optical Connector	7514/7515: ST x 1 7516: ST x 2
Operating Wavelength	SM: CWDM (1300-1600nm band) MM: CWDM (850nm band)
Physical Size	6.5 W x 1.15 H x 8 L (inches) 165 W x 29 H x 203 L (mm)
Weight	1 lb. (0.455 kg)
Slots filled in 6000A Card Cage	3
MTBF	45,000 Hours

*For operation from 95-250 volts AC, 50/60 Hz, a PDPS-2 plug-in adapter is required.

UPDATED 08/07/2016
All specifications subject to change without notice. ©2016

Ordering Information

Part Number	Description	Fiber Cores
7514-xyS	Transmitter	1
7515-xyS	Receiver	1
7516-x1S	Transmitter, Dual MM Optical Outputs	2
PDPS-2-pp	Power Supply	N/A

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:

x:	B	Box Version
	C	Card Version
y:	1	850 nm Multimode (MM)
	7	1310 nm Single Mode (SM)

Note: 7514, 7515, and 7516 are not compatible with 7500, 7501 or 7502, 7510, 7511, 7512