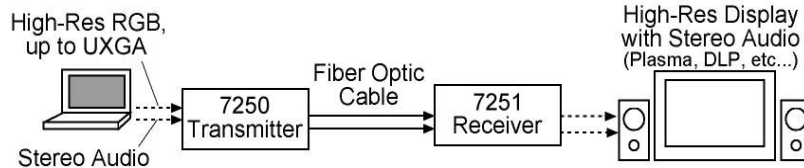


PRELIMINARY SPECIFICATIONS

7250 SERIES

Digitally transmits high-resolution RGB (up to UXGA) and stereo audio over single mode or multimode fiber



7250 SERIES - Digital

SIGNAL	CHANNELS	DIRECTION
RGB (Up to UXGA)	1	→
Audio	2	→

Description and Features:

Transmits VGA, SVGA, XGA, WXGA, SXGA, SXGA+ and UXGA (640 x 480 up to 1600 x 1200)

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

Uses all digital processing and transmission for crystal clear signals and no color pixel skewing

Requires no adjustments, equalization or de-skewing during installation

Transmits signals over two single mode or multimode fiber optic cores at 1310 nm wavelength

Low audio/video skew, <300 uSec

Ideal for digital signage, broadcast or corporate studios, auditoriums, stadiums and theaters, airport or transportation hubs, distance learning, surgical or medical imaging

Small, lightweight, uses low power

Complete kit available for a "ready to install" solution. Includes transmitter, receiver, power supplies, 250 meters of duplex fiber and various audio and VGA cables

Unique feature allows the two fibers to be cross connected without affecting operation

Ordering Information:

Part Number	Description	Number of Fiber Cores
7250-KIT-pp	Complete Kit - contents listed below*	2
7250-B7S	Transmitter, Box Version	2
7250-C7S	Transmitter, Card Version	2
7251-B7S	Receiver, Box Version	2
7251-C7S	Receiver, Card Version	2
PDPS-1-pp	Power Supply	
101933	6 ft. HD-15M to HD-15M VGA type cable	
1206	6 ft. HD-15M to 5 x BNC-M RGBHV cable	
1214	6 ft. 3.5 mm plug to 3.5 mm plug stereo audio cable	
1213	6 ft. 3.5 mm plug to 2 x RCA-M stereo audio cable	
6340	ST-M to FCPC-F adapter for multimode fiber	
6350	ST-M to FCPC-F adapter for single mode fiber	

*7250-KIT-pp includes:

Qty	Part Number (described above)
1	7250-B7S
1	7251-B7S
2	PDPS-1-pp (specify line cord)
2	101933
1	1206
2	1214
1	1213
1	124857: 250 m (820 ft.) of plenum rated duplex SM fiber with ST connectors and a pulling eye

Power Supply Suffix Codes: (Line Cord)

pp: NA	N. America
AU	Australia
EU	Europe
JP	Japan
UK	United Kingdom



Video Specifications:

Number of Video Channels 1 RGBHV

 RGB Processing 24 bits, no compression or scaling

 Input Impedance RGB: 75 Ohms; H & V: Hi-Z

 Input Level..... RGB: 714 mV p-p; H & V: 3 to 5 V p-p

 H Sync Frequency Range 15 to 75 kHz

 V Sync Frequency Range 30 to 85 Hz

 RGB Format Supported RGB with separate H and V

Audio Specifications:

Number of Audio Channels 2, unbalanced

 Frequency Response +0/-0.5 dB, 20 Hz - 20 kHz

 Bits-per-Sample/Sampling Rate 24 bits; 54 kHz

 Maximum Audio Level +10 dBu

 SNR (A-Weighted)..... 95 dB

 THD+N 0.005%, 20 Hz - 20 kHz

 Channel Phase Differential $\pm 0.1^\circ$

 Crosstalk Min. 95 dB (1 kHz)

 Input Impedance >24 k Ohms

 Output Impedance < 1 Ohm

 Audio to Video Diff. Delay (skew) <300 uSec

General Specifications:

LED Indicators Power, Video, Audio, Alarm LED (card version only)

 Allowable Differential Fiber Length..... 20 meters

 Power Requirements* 9-24 volts AC or DC, 10 watts

 Operating Temperature Range -20°C to +50°C

 Optical Connectors ST x 2

 Operating Wavelength 1310 nm

 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 2

*For operation from 95-250 volts AC, 50/60 Hz, a PDPS-1 plug-in adapter is required.



7250 SERIES - Digital		
SIGNAL	CHANNELS	DIRECTION
RGB (Up to UXGA)	1	→
Audio	2	→

Operating Loss Budget and Maximum Usable Distance*:

Wavelength	Loss(dB)	Distance (km)
1310MM	0-15	0.75
1310SM	0-15	30

MM = Multimode Fiber
 SM = Single Mode Fiber

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

Warranty:

Pure Digital Fiberlink transmission systems are backed by a three-year limited warranty on parts and labor and a 30-day satisfaction guarantee.*

*See website for terms and conditions.

UPDATED 4/12/06

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