



FiberLink® Flex Video, Audio, and Data Series



Any combination of video, audio, data and contact closure signals, transmitted digitally in one or both directions, over one or two fibers.

The FiberLink Flex System employs pure digital processing and transmission to transmit any combination of video, audio, data and contact closure signals, in one or both directions, over one or two multimode or single mode fiber at 850, 1310 or 1550 nm. It is ideal for Broadcast, Cable, Satellite and Industrial Security applications.

Signal options include:

- One channel of video in one or both directions
- Two or four independent audio channels; four in one direction or two in each direction
- Two slots for either data or contact closure signals in one or both directions

FEATURES

Bidirectional Video, Audio, Data and Contact Closure over Fiber

Each unit is custom-ordered and assembled.

Each transmitter, receiver and transceiver unit is sold separately. Power supplies are also sold separately.

Transmits over multimode or single mode fiber at 850, 1310 or 1550 nm

Bi-directional systems available in one or two-fiber versions

Pure digital processing and transmission

Video channel is compatible with NTSC, PAL or SECAM video standards

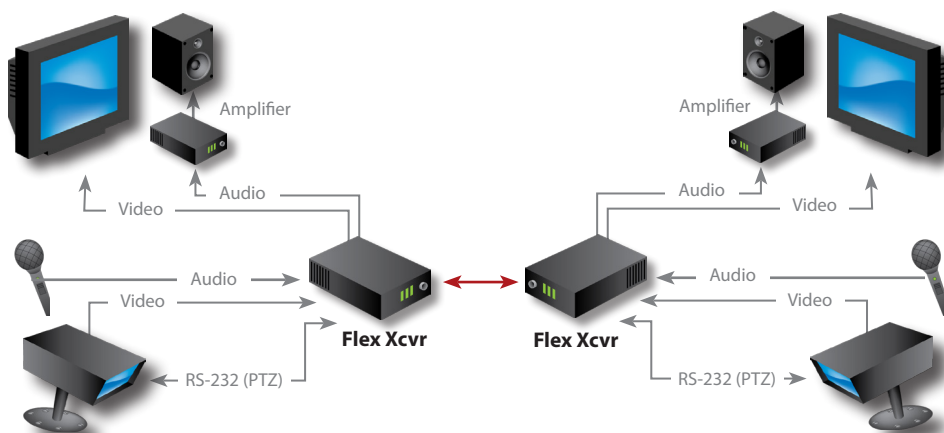
Audio channels may be user-configured independently to have either balanced or unbalanced inputs and outputs

Indicator LEDs monitor signals and power

Wide range power supply allows operation from low voltage AC and DC sources

Card version fills two slots in 6000A rack

Ideal for Broadcast, Cable, Satellite, Industrial Security



SPECIFICATIONS

Video

Number of Channels	1, one-way or bidirectional
Frequency Response	20 Hz to 8 MHz (+0, -3 dB) 50 Hz to 5 MHz (+/- 0.2 dB)
Input/Output Impedance	75 Ohms
Input/Output Voltage:	1 V p-p nom., 1.3 V p-p max.
Signal-to-Noise Ratio	60 dB (CCIR weighted)
Differential Gain and Phase	1% typical; 1o typical
Video Connectors	BNC

Audio

Number of Audio Channels	2 or 4 one-way or 2 bidirectional (balanced or unbalanced)
Frequency Response	20 Hz to 20 kHz (+0, -3 dB)
Input/Output Impedance	600 Ohms terminated; >24 k Ohms unterminated
Input/Output Voltage	0 dBu nom. +10 dBu max.
Signal-to-Noise Ratio	85 dB
THD+N	0.1% typical
Audio Connectors	Removeable terminal block

Data/PTZ and Contact Closure

Number of Channels	2, which may be used for 2 data channels, 2 contact closure channels, or one of each
Data Protocols Supported	RS-232, RS-422, RS-485 (2 or 4-wire)
Data Rate	DC to 115 kb/s
Contact Closure Input	Dry contact or TTL level referenced to GND
Contact Closure Output	Isolated reed relay contacts; 115 Volts AC; 50/60 Hz @ 0.2 A or 24 Volts DC @ 1 A
Data and Contact Closure Connectors	Removeable terminal block

Operating Loss Budget & Maximum Usable Distance*

Wavelength	Loss(dB)	Distance (km)
2-way over 2 fibers and 1-way systems		
850 MM	0-15	0-3
1310 MM	0-7	0-5
1310 SM	0-28	0-70
1550 SM	0-26	0-85
2-way over 1 fiber systems		
850/1310 MM	0-5	0-3
1310/850 MM	0-5	0-3
1310/1550 SM	0-25	0-60
1550/1310 SM	0-25	0-60

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; Signal Present (Link); Alarm LED (card version only)
Power Requirements*	9-24 volts AC or DC, 6 watts
Operating Temperature Range	-35o to +75o C
Optical Connectors	ST or FCPC

General Specifications, Cont.

Physical Size	5.1 W x 1.25 H x 7.25 L (inches) 127 W x 32 H x 184 L (mm)
Weight	approx. 1 lb.; 0.45 kg
Slots Filled in 6000A Card Cage	2

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



UPDATED 07/30/2016

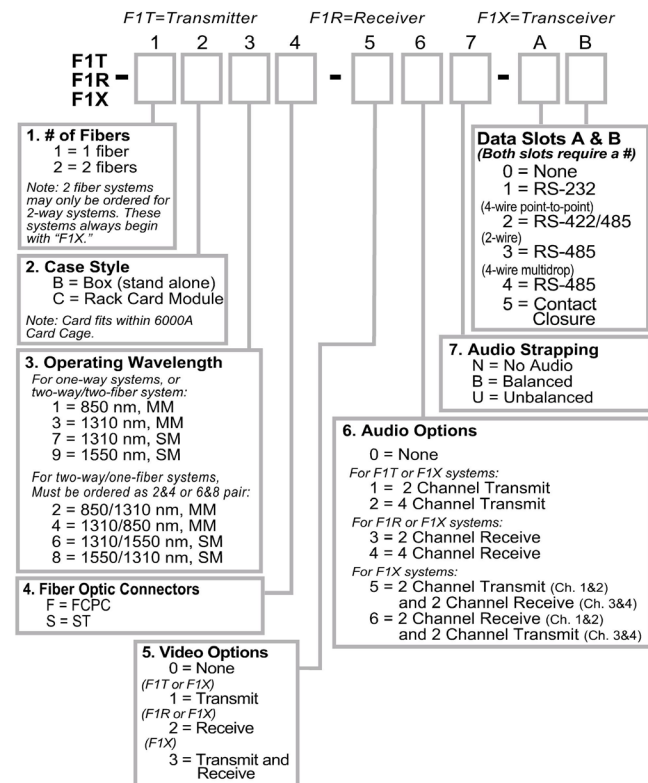
All specifications subject to change without notice. ©2016

Ordering Information

Transmitter, receiver and transceiver units must each be ordered separately. Use the Part Number Configuration Chart to generate a specific part number for each unit.
In addition, each box unit requires an external power supply. Power supplies should be specified as follows:

Part Number	Description	Fiber Cores
PDPS-1-pp	Power Supply (Required)	
Power Supply Suffix Codes (pp) for AC Line Cord:		
NA - North America	AU - Australia	EU - Europe
JP - Japan	UK - United Kingdom	

Flex System Configuration Example



Sales



T: 978-263-5775
sales@artel.com
customercare@artel.com
www.artel.com