



FiberLink® 5200 Audio, Data, Ethernet, and Contact Closure



Broadcast quality Bi-directional audio, data, Ethernet, and contact closure over one fiber in a compact box.

The FiberLink 5200 Series transmits bidirectional audio, RS-Type Data, 10/100 Base-T Ethernet and contact closure over one single mode or multimode fiber optic cable. All channels are independent and are simultaneously available offering unrivaled

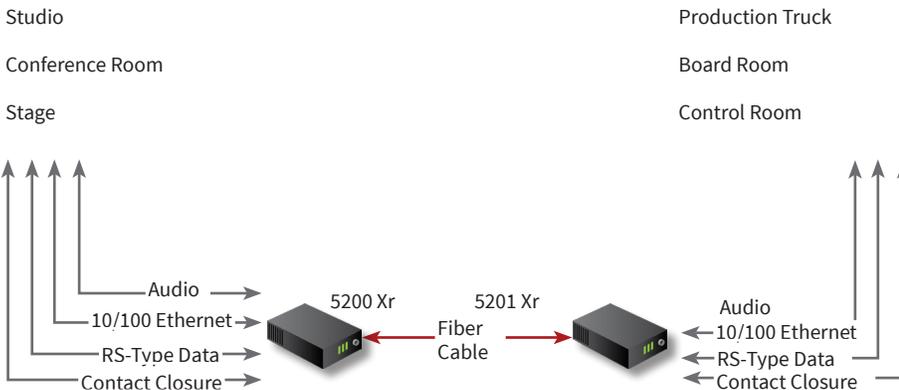
flexibility in one product: deploy it for audio and Ethernet today, redeploy it for audio, RS-Type Data, Ethernet, and contact closure tomorrow!

FEATURES

Bidirectional Audio, RS-Type Data, Ethernet, and Contact Closure over one Fiber

Ideal applications for: Broadcast or corporate studios, OB Vans, rental and staging, auditoriums, stadiums and theaters, airport or transportation hubs, distance learning, surgical or medical imaging, and more!

- Bi-directional audio
- Bi-directional serial data
- 10/100 Base-T Ethernet
- Bi-directional Contact closure
- One-fiber for single mode and multimode fiber types
- All channels are independent and available simultaneously
- Wide operating temperature range: -10C to +50C
- Available in Box versions
- Removable terminal blocks for audio, data, and contact closure connections
- ST connectors



Bi-Directional Audio, Data, Ethernet, & Contact Closure on One Fiber

SPECIFICATIONS

General Specifications

Number of Fibers Required:	1
Indicators:	Power, Audio activity, RS-Data Activity Ethernet LEDs on RJ-45 Connector
Box Version Dimensions:	6.5 W x 1.15 H x 8 L (inches) 165 W x 29 H x 203 L (mm)
Weight:	approx. 1 lb.; 0.45 kg
Power:	9-24 volts, AC or DC 5200: 7.5 watts, 25.6 BTU/Hr
Operating Temperature:	-10° C to +50° C
MTBF:	27,000 Hours

Audio Specifications

Number of Audio Channels	2, balanced or unbalanced, bi-directional
Bits per sample/ Sampling Rate	24 bits, 52 kHz
Audio Connector	Removable terminal block
Switches	<ul style="list-style-type: none"> Select input termination Balanced or unbalanced input/output, selectable on a per-channel basis
Frequency Response	+0/-0.5 dB, 20 Hz - 20 kHz
Maximum Audio Level	+10 dBu
Signal-to-Noise Ratio (A-weighted)	95 dB referenced full scale (balanced)
THD	0.002%, 20Hz - 20 kHz, full scale
Channel Phase Differential	±0.1°
Crosstalk	-100 dB (1kHz)
Audio Noise Level	-85 dBm
System Gain	Unity Gain, ±3%, input: balanced 600 ohms, 50 ohms source impedance ; output: balanced into 600 ohms.
Input Impedance	600 Ohms terminated, >24K ohms unterminated
Output Impedance	50 Ohms nominal

Ethernet Specifications

Port:	10/100 Base-T, RJ-45 connector, Configured as MDI
Speed:	10 Mbps & 100 Mbps Ethernet, Switch Selectable

Data Specifications

Data Channels	1 Channel, Bi-Directional
Data Bandwidth	DC to 115 Kb/sec, max.
Control Format	Switch selectable RS-232, RS-422 & RS-485 (4 wire or 2 wire)
Protocols	NRZ, NRZI, RZ, Manchester, Bi-phase
Signal Connectors:	Removable terminal block

Contact Closure Specifications

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
Contact Closure Connectors	Removeable terminal block

Fiber Optic Output

Connector	ST
Wavelengths Used	1490nm, 1550nm
Emitter Type	Laser
Output Power (nominal)	-3.0 dBm

Fiber Optic Input

Connector	ST
Wavelength	1100 - 1620 nm
Minimum Input Sensitivity	-17 dBm
Maximum Input Power	0 dBm

Operating Loss Budget & Maximum Usable Distance*

Connector	ST
Wavelength	1100 - 1620 nm
Minimum Input Sensitivity	-17 dBm
Maximum Input Power	0 dBm



UPDATED 03/30/2021

All specifications subject to change without notice. ©2017



Ordering Information

Part Number	Description	Fiber Cores
5200-ByS	Transmitter	1
5201-ByS	Receiver	1
PDPS-1-pp	Power Supply	

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:

y: 3 - Multimode	7 - Single Mode
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Sales



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