



5200 Audio, Data, Ethernet, And Contact Closure

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

Ideal Applications:

Broadcast or corporate studios, OB Vans, Rental & Staging, auditoriums, stadiums and theaters, airport or transportation hubs, distance learning, surgical or medical imaging and more!

Signal	Channels	Direction
Audio	2	↔
RS-Type Data	1	↔
10/100 Ethernet	1	↔
Contact Closure	1	↔



Studio

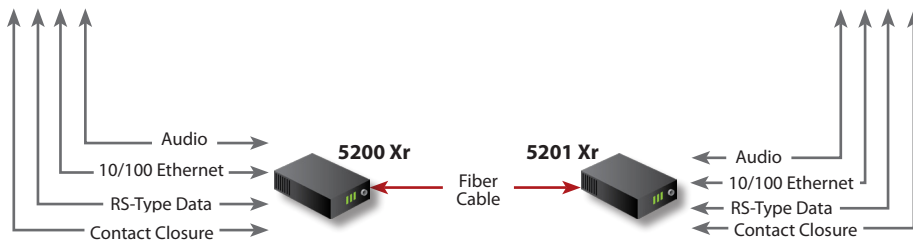
Conference Room

Stage

Production Truck

Board Room

Control Room



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

Features

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

Sales



CSI Communications Specialties, Inc.

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Fiberlink® 5200 Series General Specifications

General Specifications:

Number of Fibers Required:	1
Indicators:	Power, Audio activity, RS-Data Activity Ethernet LEDs on RJ-45 Connector Alarm (card version only)
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
Slots in 6000A Card Cage:	2
Power:	9-24 volts, AC or DC 5200/5201: 7.5 watts, 25.6 BTU/Hr
Operating Temperature:	-10° C to +50° C
MTBF:	30,000 Hours

Audio Specifications

Number of Audio Channels	2, balanced or unbalanced, bi-directional
Bits per sample/ Sampling Rate	24 bits, 78 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



**5200 Audio, Data, 10/100 Ethernet,
Contact closure.**

Fiberlink® 5200 Transceiver



Front Panel LEDs quickly reveal the 5200's Audio & Data input status

Dip Switches allow for quick configuration of your data preferences

The 5201 Receiver Data LEDs quickly reveal which channels have data present

Available as a box or a card



Fiberlink® 5201 Transceiver

**The Fiberlink®
5200 Series is available in a
card version that is compatible
with the Fiberlink® 6000A
Rackmountable Card Cage.**

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	LC or ST
Wavelengths Used	1490nm, 1550nm
Emmitter Type	Laser
Output Power (<i>nominal</i>)	-3.0 dBm

Fiber Optic Input

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



5200 Audio, Data, 10/100 Ethernet, contact closure.

Accessories



Fiberlink® 6656 Visible Light Source

The Fiberlink 6656 is a light-weight, hand-held tool used to quickly troubleshoot faults in the continuity of both single-mode and multimode fibers. High-intensity visible laser allows for visible fault location of breaks and microbends in both single-mode and multimode fibers



Fiberlink® 6650 Optical Power Meter

The Fiberlink 6650 Optical Power Meter is a high accuracy, high resolution, microprocessor controlled optical power meter. 65 dB dynamic range; calibrated to measure 850, 1300, 1310 and 1550nm. Works with multi-mode and single mode fiber. Graphical LCD display with intuitive user interface with simple 2-key operation.



Fiberlink® 6652/6654 Light Sources

The Fiberlink® Light Source offers a laser output at selectable wavelengths, allowing for convenient, on-site testing of fiber networks during construction and maintenance procedures.



Fiberlink® 6658

The Fiberlink® Optical Length Meter Measures the length of both single mode and multimode fiber with accuracy of ± 2.5 meters. Generates a pulsed signal for use with fiber identifiers. Easy-to-read bright red 7-segment LED display. Comes equipped with industry preferred ST connectors.

Operating Loss Budget & Maximum Usable Distance*

Fiber Type	Loss(dB)	Distance
Single Mode	0-14	30 km
Multimode (62.5u)	0-14	2.5 km
Multimode (50u)	0-14	3 km

*Distance specifications are approximate, based upon connecting a 5200 Transceiver to a 5201 Transceiver, and are not guaranteed. CSI cannot estimate or guarantee operating loss budgets when the 5200 Series is used with other, non-Fiberlink devices. Operating loss budget must not be exceeded.

Ordering Information

Part Number	Description	Fiber Cores
5200-xyz	Transmitter	1
5201-xyz	Receiver	1
Note:	A 2-fiber version for CWDM system integration is available on special order. Contact factory for details.	
PDPS-1-pp	Power Supply	

Part Number Suffix Codes:

x: B	Box Version	y: 3	Multimode	z: L	LC Connector
C	Card Version	7	Single Mode	S	ST Connector

Power Supply Suffix Codes (pp) for AC Line Cord:

NA - North America	AU - Australia	EU - Europe
JP - Japan	UK - United Kingdom	



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Contact closure.



Learn more about the
industry's largest selection
of fiber optic transmission
products at
commspecial.com



Backed by a 30-day satisfaction
guarantee and a three-year limited
warranty on parts and labor.
See website for terms and conditions.

Sales



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