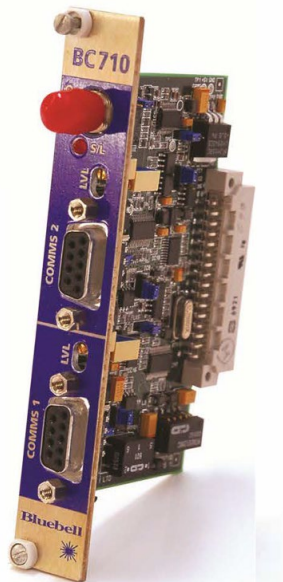


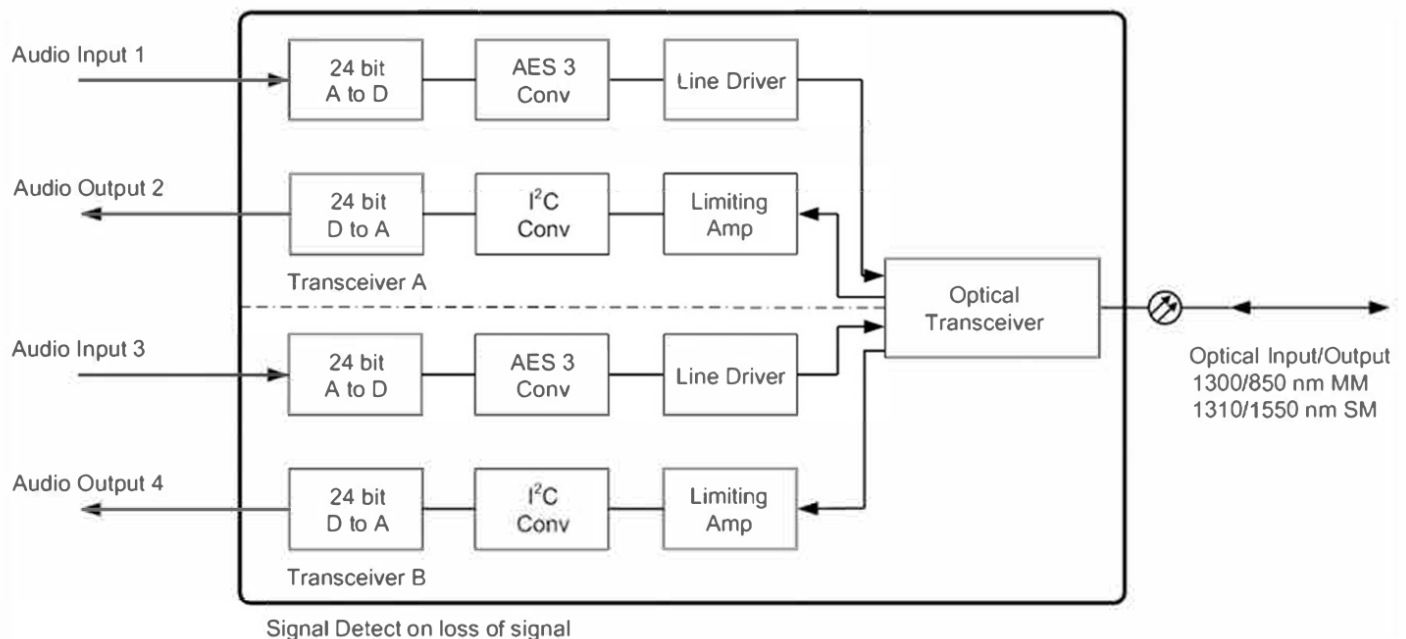
## BC Series Modular Fibre Optic Interface System



### Description:

- Transmits two independent duplex analogue audio signals over a single fibre.
- Provides two independent circuits for use in 4-wire comms systems.
- Uses 24-bit converters for professional broadcast audio quality.
- Available in multimode and singlemode variants.
- Includes AES output for local monitoring or remote audio feed.
- Can function as an A/D converter or provide inputs to an AES BC460T embedder.
- Occupies a single slot in the BC100-3RU rack (up to 30 channels in one frame).
- Monitoring via SNMP (BM101) or GP-output alarms (BM100).
- Can also be housed in a rugged standalone enclosure.

### BC710 Schematic diagram:



## Specifications

Electrical Input/Output					
Connector	9 way D sub-connector				
Format	20 Hz to 20 kHz +/- 0.25 dB distortion 0 dB system gain, 18 dBu ref 1 mW into 600 Ohm				
Number	4 x Balanced Line Level Analogue Audio				
Optical Input/Output					
Connector	1 x female FC/PC, ST or SC See Ordering Information				
Wavelength		Input (nm)		Output (nm)	
		MM	SM	MM	SM
	Input 1,3	1300	1550	850	1310
	Output 2,4	850	1310	1300	1550
Optical Power	- 15 dBm@ 850 nm - 15 dBm@ 1310 nm multimode - 6 dBm@ 1310 nm singlemode - 6 dBm@ 1510 nm				
Sensitivity	> - 3 dB to - 30 dBm				
Max I/P power	> -1 dBm				

Depth	60 mm
Width	20 mm 4TE
Height	100 mm (3RU)
Weight	100 g
Operating Temp	-30 to +70 QC
Power	2.2 W
Signal Detect	LED on for signal loss
Conformance	
EMI/RFI	Complies with 89/336/EEC
Electrical	Complies with EN 61000-6-1, EN61000-6-2
Laser safety	Complies with Class 1 laser product 24 CFR 1040.10 & 1040.11
RoHS	Complies with Directive 2002/95/EC
Warranty	5 Years

## Ordering Information

BC710M/LC

BC710S/LC

### Universal Chassis and Power Supplies

[BC100-3RU](#)

[BC160 19"](#)

BM100

BM101

Multimode 4-Wire Comms Talkback to Optical Transceiver Card with LC connector (850/1300 nm)  
Singlemode 4-Wire Comms Talkback to Optical Transceiver Card with LC connector (1310/1550 nm)

19" 3RU Chassis for up to 15 BCxxx Cards with optional Network Monitoring and facility for Dual Redundant Power Supplies (not supplied).  
1RU Chassis for up to 6 BCxxx Cards fitted with Dual Redundant Power Supplies.  
Network Monitoring Card with GPI Output on a SCSI Connector for Slot-16  
Network Monitoring Card with Ethernet connection for Slot-16



Bluebell Opticom Limited,  
Unit 2 The Quadrant,  
Howarth Rd,  
Maidenhead,  
Berkshire,  
SL6 1AP, UK  
Tel: +44 (0) 1628 510055,  
Email: [sales@bluebell.tv](mailto:sales@bluebell.tv)  
Website: [www.bluebell.tv](http://www.bluebell.tv)

