

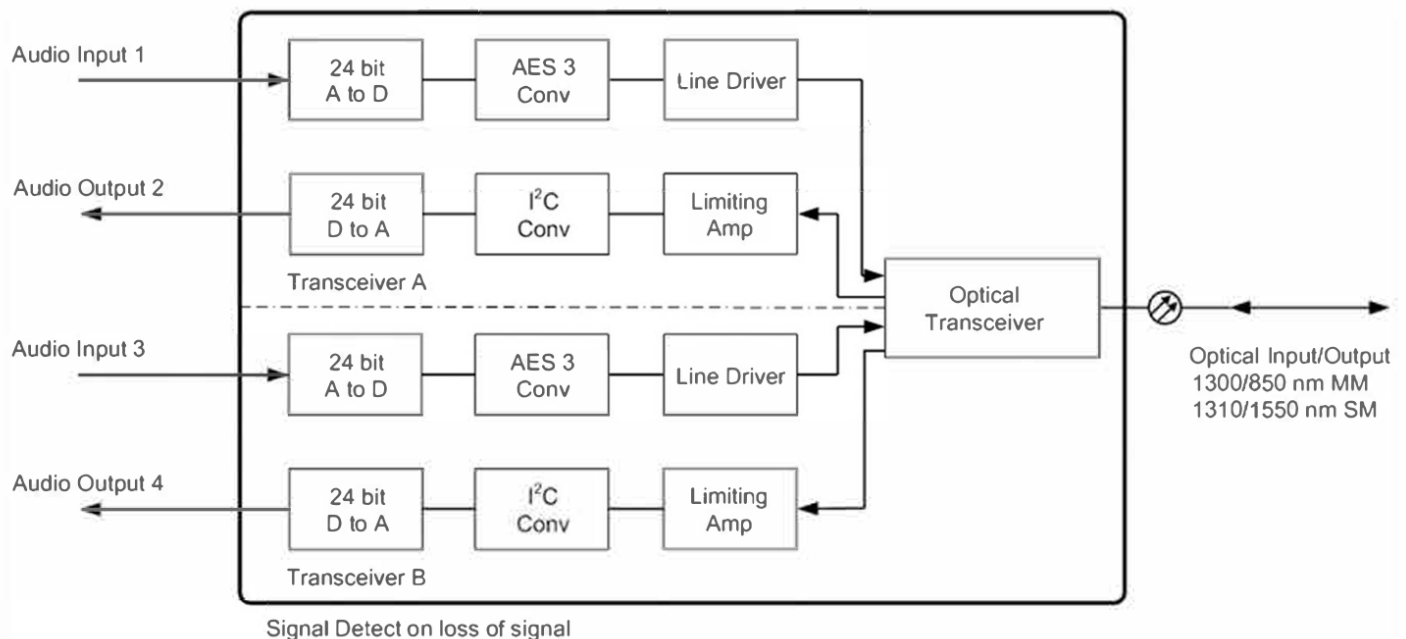
BC Series Modular Fibre Optic Interface System



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	Multimode 4-Wire Comms Talkback to Optical Transceiver Card
BC710S	Singlemode 4-Wire Comms Talkback to Optical Transceiver Card

Bluebell

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

