

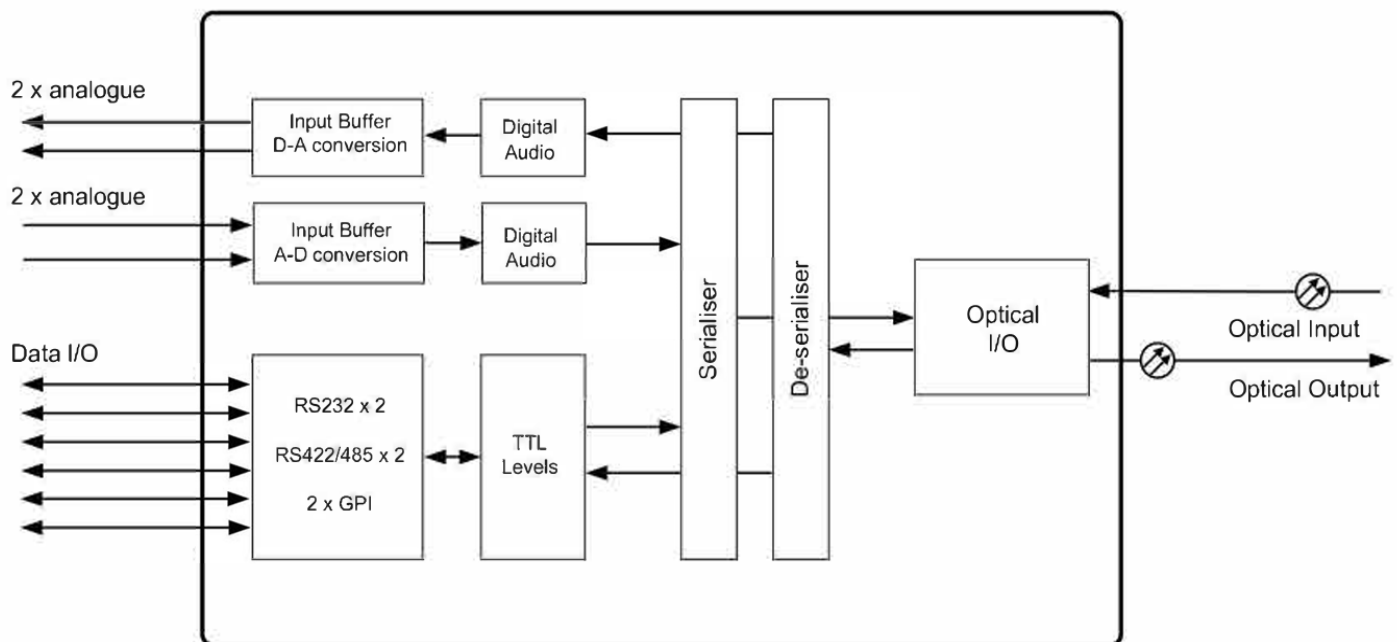
BC Series Modular Fibre Optic Interface System



Description:

- Provides two bi-directional analogue audio channels over 2 fibres
- Transmits additional control data and GPI signals on the same fibre pair
- Ideal for linking audio intercom panels remotely over fibre
- Available in multimode, singlemode, and CWDM variants
- Fits into the BC100-3RU rack (up to 15 cards, or 30 channels with dual-function cards)
- Supports SNMP monitoring via BM102 network card
- Designed for high-integrity, jitter-free optical transport
- BN723 variant available for serial control data only

BC623 Schematic diagram:



Specifications

Electrical Input/Audio

Connector	44 pin D connector
Format	2 x analogue audio1 , 20 Hz-20 kHz± 0.3 dB 2 x RS232 Bi-directional 2 x RS422/485 Bi-directional 2 x GPI Bi-directional

Optical Output

Connector	1 x female LC as standard per channel
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TX wavelength and power plus receive sensitivity are defined by the SFP fitted.

Typical values are outlined below

TX Power:

-2 dBm@ 1310 nm (Typical)

-2 dBm@ 1510 nm (Typical)

0 dBm@CWDM (Typical)

RX Wavelength 1200-1610 nm

RX Sensitivity > -24 dBm @ 1.25 Gb/s

Max I/P Power	> -1 dBm
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Note	Audio is designed for talkback system with amplitude restricted to +6 dBu See Ordering Information for the different multimode and singlemode variants.
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General Card Specifications

Depth	60mm
Width	20mm 4HP
Height	100mm (3RU)
Weight	100g
Operating Temp	-30 to+70°C
Power	3.5 W
No. of slots	1

Conformance

EMI/RFI	Complies with 89/336/EEC, EN55022B, EN61000-4-2, EN61000-4-4-(Level 2), EN61000-4-4FTB, EN61000-4-5, EN61000-4-11
Electrical	Complies with EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4
Laser Safety	Dependent on SFP fitted. Complies with Class 1 laser product
RoHS	Complies with Directive 2002/95/EC
Warranty	5 Years

Ordering Information

BC623	Audio and Data Fibre Optic Transceiver Module Provides 2 x analogue audio, 2 x RS232, 2 x RS422/485 and 2 x GPI over 2 fibres. Fitted with LC connectors.
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Bluebell

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