

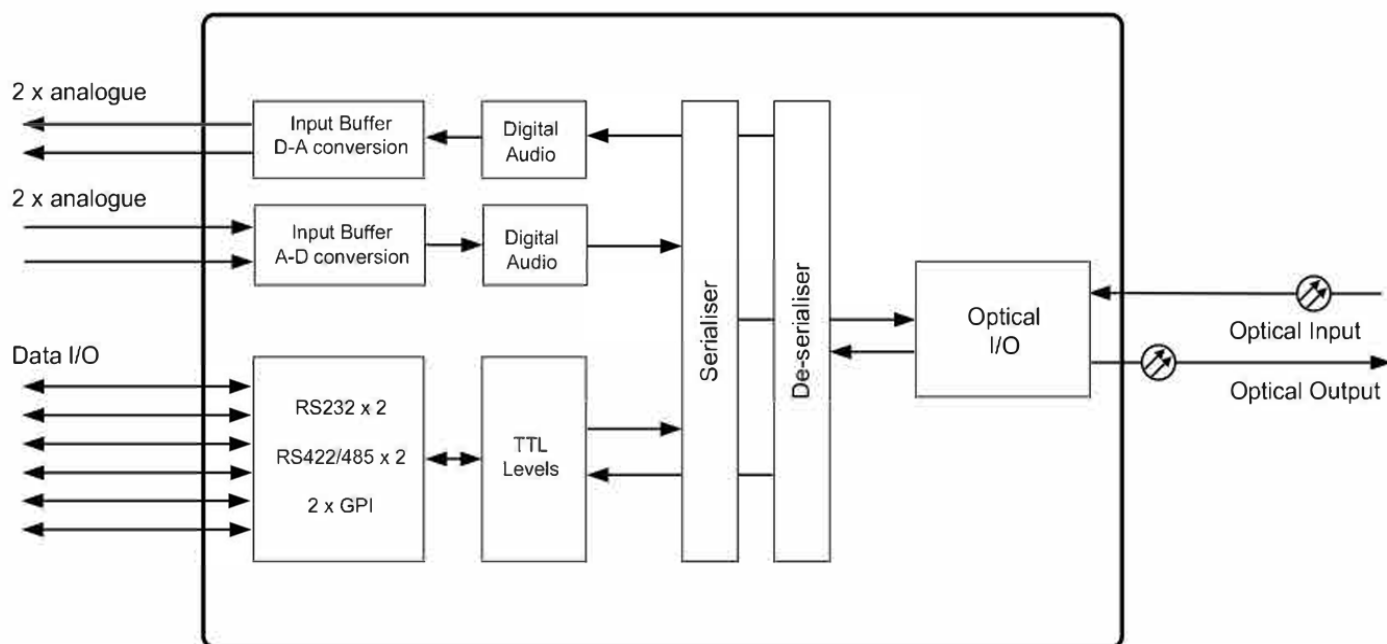
BC Series Modular Fibre Optic Interface System



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 |
| 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 |
| Note | Audio is designed for talkback system with amplitude restricted to +6 dBu See Ordering Information for the different multimode and singlemode variants. |

| 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/M

Multimode Audio and Data Fibre Optic Transceiver Module

BC623/S/13/WB

Provides 2 x analogue audio, 2 x RS232, 2 x RS422/485 and 2 x GPI over 2 fibres. Fitted with LC connectors.
Singlemode 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.
(1310 nm TX and Wideband receiver). Fitted with LC connectors

Universal Chassis and Power Supplies

BC623/S/15/WB

Singlemode 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. (1550 nm TX and Wideband receiver). Fitted with LC connectors.

BC623/S/CWDM/WB

Singlemode 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. (CWDM TX and Wideband receiver). Fitted with LC connectors



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