

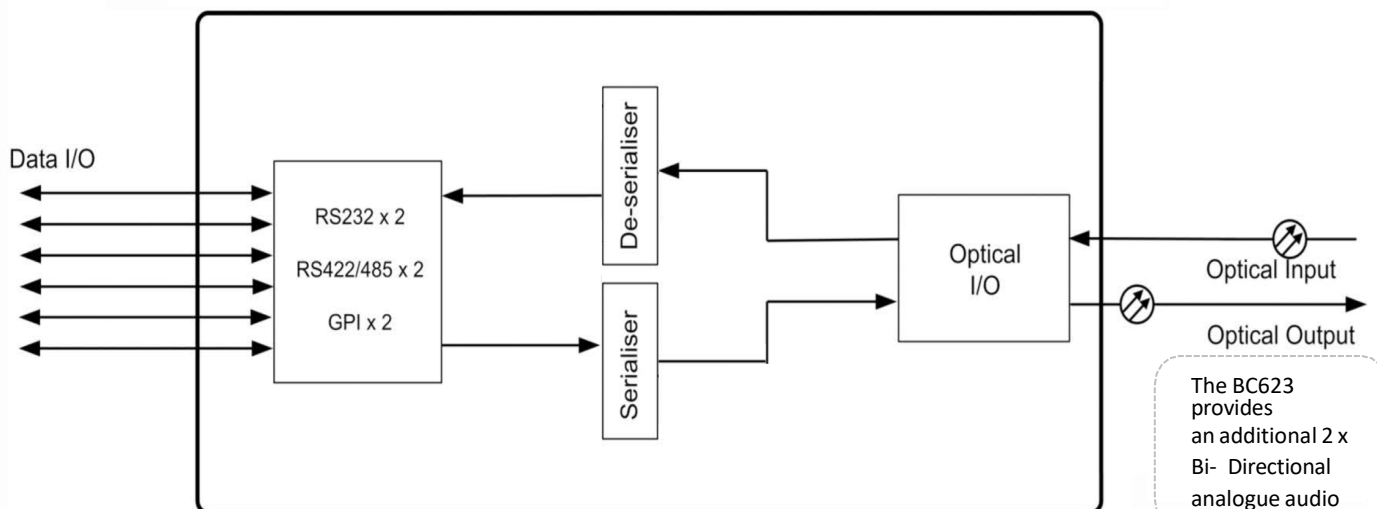
BC Series Modular Fibre Optic Interface System



Description:

- The **BC723** is a multi-format converter for control signals
- Supports bi-directional control data and GPI signals over 2 fibres
- Ideal for remotely linking control panels over fibre
- Available in multimode, singlemode, and CWDM variations
- Part of the Bluebell BC Series modular interface system
- Designed for high signal integrity with jitter-free optical transport
- Occupies a single slot in the **BC100** 3RU 19" rack-mounting frame (up to 15 cards)
- Some BC Series cards have dual functionality, allowing up to 30 channels in one 3RU frame
- Signal and card monitoring supported via SNMP in the **BM102** network card
- For control data-only applications, the **BN723** is available

BC723 Schematic Diagram



Specifications

General Card Specification	
Depth	92 mm
Width	64 mm
Height	30mm Excluding Connectors
Weight	100 g
Operating Temp	-30 to 70°C
Power	2.5 W
Conformance	
EMI/RFI	Complies with 89/336/EEC, EN55022B, EN61000-4-2, EN61000-4-4(level 2), EN61000-4-4FTB, EN61000-4-5 EN61000-411
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

Electrical Input	
Connector	44 Pin D connector
Format	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	1x 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: -2dBm@1310nm (typical) -2dBm@1510nm (typical) 0 dBm@CWDM (typical) RX Wavelength 1200-1610 nm RX Sensitivity > -24dBm@1.25 Gb/s Max I/P power > -1 dBm	

Ordering Information

BC723	Data Fibre Optic Transceiver Base Module. 2 x RS232, 2 x RS422/485 and 2 x GPI over fibre. No Optics Fitted.
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