Bluebell

BN series deployable optical product

BN623 Audio, Data, Intercom Link
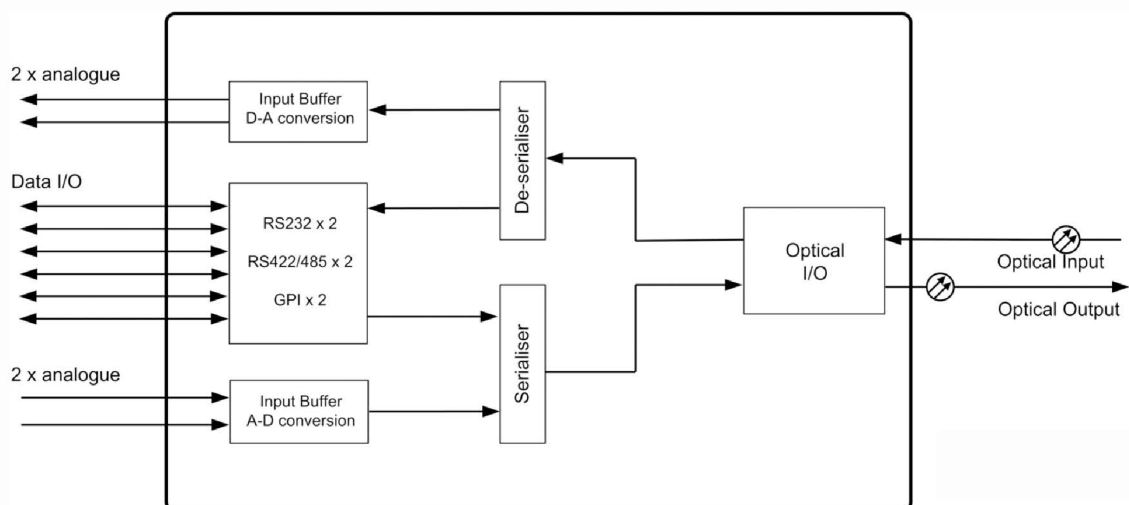## BN723 Serial Control data

Description

The BN623 provides bidirectional analogue audio and serial control data over fibre.

Key features

- The BN623 is specifically designed to link remote panels in an intercom system back to the main central routing position.

- The robust design allows the unit to be deployed in OB or flypack applications.
- Can be supplied in multimode, singlemode, and CWDM variations to suit all applications, offering a perfect complement to the BC323, BC550, and BC323-63 modules.
- Power can be supplied direct to the unit from the standard Bluebell PS12 or any readily available DC supply found on-site.
- A complimentary modular BC Series card is also available when a 19" rack-based solution is required.

Specification

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 FC/PC, ST or SC See Ordering Information
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/
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 variant

General Card Specification	
Depth	92mm
Width	64mm
Height	30mm (Excluding Connectors)
Weight	100g
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, EN61000-4-11
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 Dual Fibre 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. Includes PS12 power suppl
BC623/S/13/WB	Singlemode Dual Fibre 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. Includes PS12 power supply.
BN623/S/13/15	Singlemode Single Fibre Audio and Data Fibre Optic Transceiver Module. Provides 2 x analogue audio, 2 x RS232, 2 x RS422/485 and 2 x GPI over 1 fibre. (1310 nm TX). Used in conjunction with BN623/S/15/13 as a matched pair. Fitted with LC connectors. Includes PS12 power supply.
BN623/S/15/13	Singlemode Single Fibre Audio and Data Fibre Optic Transceiver Module. Provides 2 x analogue audio, 2 x RS232, 2 x RS422/485 and 2 x GPI over 1 fibres. (1550 nm TX). Used in conjunction with BN623/S/13/15 as a matched pair. Fitted with LC connectors. Includes PS12 power supply.
BN623/S/CWDM/xx/WB	Singlemode Dual Fibre 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. Includes PS12 power supply.
BN623	Audio and Data Fibre Optic Transceiver Base Module. Provides 2 x analogue audio, 2 x RS232, 2 x RS422/485 and 2 x GPI over fibre. No Optics Fitted. Includes PS12 power supply.