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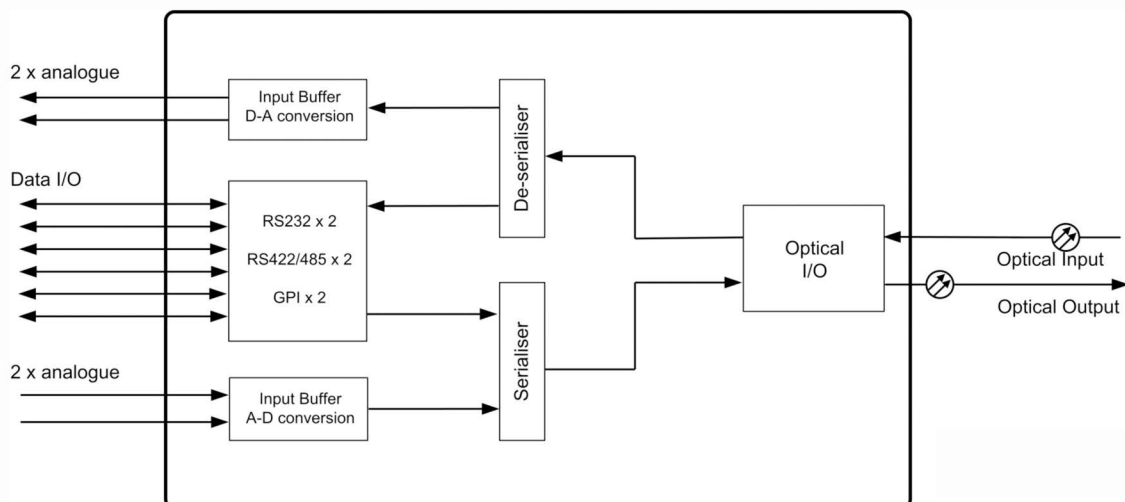## BN series deployable optical product

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.

BN623 Audio, Data, Intercom Link
BN723 Serial Control data

www.bluebell.tv

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Specifications

Electrical Input/Audio

Connector	44 pin D connector
Format	2 x analogue audio[1], 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 stadard 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
[1]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	92mm
Width	64mm
Height	30mm
	Excluding connetors
Weight	100g
Operating Temp	-30 to+70°C
Power	2.5W

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 supply.

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.

Fitted with LC connectors as standard. Note audio is designed for talkback system - bandwidth 20 Hz - 20 kHz with amplitude restricted to +6 dBu. Supplied with mating D type connector parts.

For BN723 data only versions replace BN623 with BN723

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