

Bluebell

BN series deployable optical product



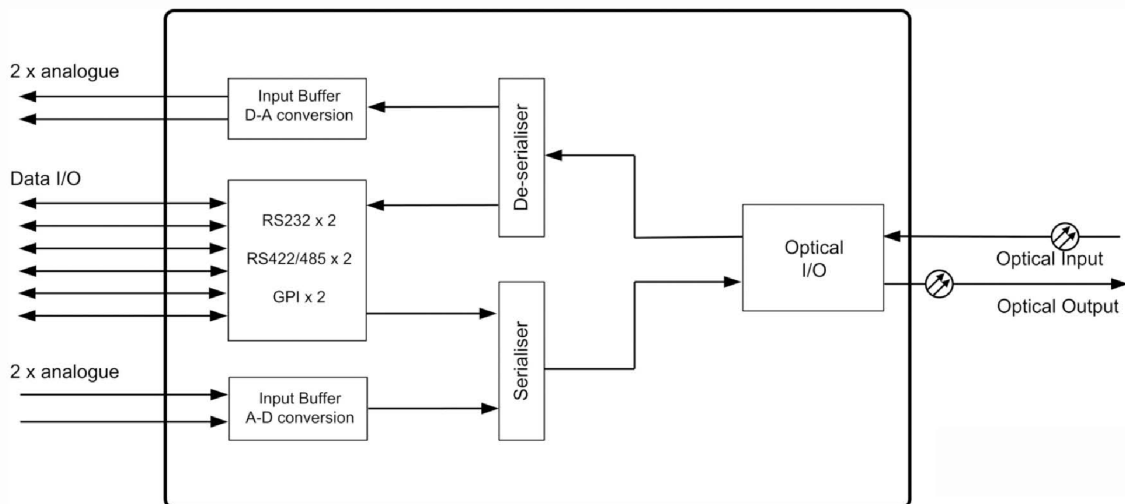
Description

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 Schematic Diagram:



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

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.
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