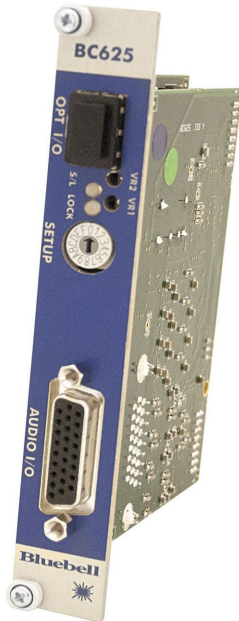


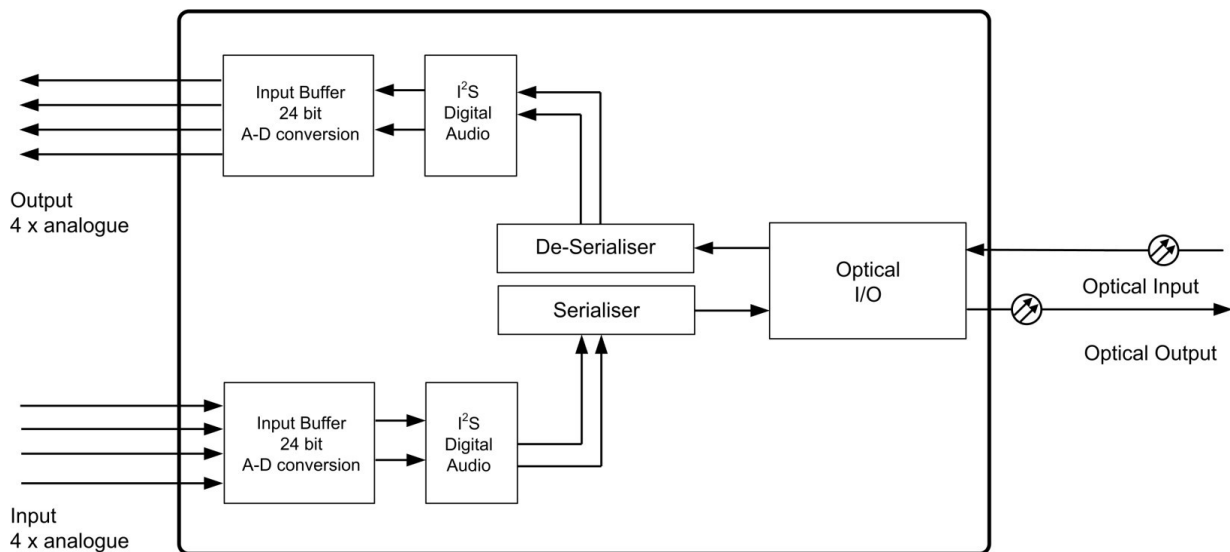
BC Series Modular Fibre Optic Interface System



Description:

- The BC625 enables bidirectional transmission of multiple channels of analogue line-level audio over a single optical fibre.
- Audio inputs are buffered and converted using 24-bit A/D conversion, then multiplexed into one optical data stream.
- Ideal for multichannel audio transport where audio needs to be carried independently of video or embedded signals.
- Available in multimode, singlemode, WDM, and CWDM variants for flexible fibre deployment.
- Occupies a single slot in the BC100-3RU frame, which supports up to 15 single-slot cards.
- Some BC Series cards support dual functionality, enabling up to 30 video channels per 3RU frame.
- Monitoring is supported via SNMP through the BM102 network card.
- Also available in a rugged standalone enclosure for individual use.

BC625 Schematic Diagram:



Specifications

Electrical Input Audio

Connector	26-way D connector
Impedance	24 kOhm differential input
Bandwidth	20 Hz to 20 kHz +/- 0.25 dB
System Gain	0 dB, nominal +/- 0.5dB
Format	Input level +24 dBu Maximum Ref 1 mW into 600 Ohm
Number	4 x Balanced Line Level Analogue Audio
Noise ref	< -90 dB p-p weighted full scale

Electrical Output Audio

Connector	26-way D connector,
Impedance	44 Ohm differential output
Bandwidth	20 Hz to 20 kHz +/- 0.25 dB
System Gain	0 dB, nominal +/- 0.5dB
Format	Output level +18 dBu Maximum Ref 1 mW into 600 Ohm
Number	4 x Balanced Line Level Analogue Audio
Noise ref	< -90 dB p-p weighted full scale
Out Imp	< 50 Ohm

Optical Input/Output

Connector	1 x female LC per direction
Wavelength	850 nm, 1310 nm, 1550 nm, CWDM See Ordering Information
Optical Power	-2 dBm @ 1310 nm (typical) -2 dBm @ 1510 nm (typical) 0 dBm @ CWDM (typical)

General Card Specifications

Depth	60 mm
Width	20 mm 4TE
Height	129 mm (3RU)
Weight	100 g
Operating Temp	-30 to +70 °C
Power	3.5 W
No. of slots	1

Conformance

EMI/RFI	Complies with 89/336/EEC
Electrical	Complies with EN 61000 6-1, EN61000-6-2
Laser Safety	Complies with Class 1 laser product 24 CFR 1040.10 & 1040.11
RoHS	Complies with Directive 2002/95/EC
Warranty	5 years



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