

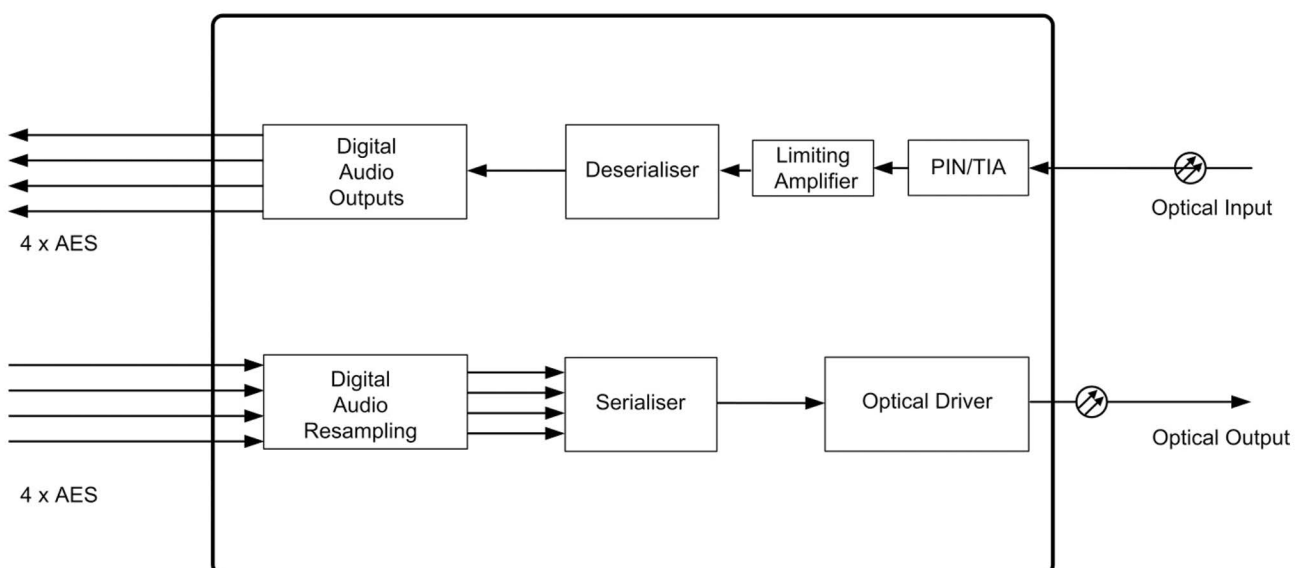
BC SERIES MODULAR FIBRE OPTIC INTERFACE SYSTEM



BC635 4 Channel Bidirectional AES Audio Multiplexer

The BC635 is a transmitter for the transport of digital audio over fibre optic cable with the ability to carry 4 channels of AES/EBU audio in each direction on 2 fibres. The incoming signal is auto-sensed and then equalised prior to multiplexing, conversion and transmission down a single optical fibre. All Bluebell cards are designed to retain maximum integrity of the signal path offering excellent jitter free optical transport.

The BC635 is available in multimode, singlemode, WDM and CWDM variants to suit any fibre application. The BC635 occupies a single slot in the BC100-3RU 19" rack-mounting frame, which can hold up to 15 single slot cards. Some BC Series processing cards have dual functionality allowing up to 30 channels of video to be transmitted or received from a single 3RU frame.



Specifications

Electrical Input Audio

Standard	AES-3 1992 Balanced
Connector	26-way D connector
Impedance	110 Ohm Balanced
Format	AES 32 kHz to 192 kHz AES3-1992 (All 4 inputs resampled to 48 kHz) 4 x AES/EBU Digital Audio

Electrical Output Audio

Standard	AES-3 1992 Balanced
Connector	26-way D connector
Impedance	110 Ohm Balanced
Format	AES 32 kHz to 192 kHz AES3-1992 (All 4 inputs resampled to 48 kHz) 4 x AES/EBU Digital Audio

Optical Input/Output

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

General card specifications

Depth	60mm
Width	20mm 4HP
Height	129mm 3RU
Weight	100g
Operating Temp	-30 to +70°C
Power	2.4W
Signal detect	LED on for loss of signal
No. of slots	1

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

BC635/M	Multimode Optical Transceiver Card for 4 x bidirectional AES Audio Signals.
BC635/S/13/WB	Singlemode Optical Transceiver Card for 4 x bidirectional AES Audio Signals (1310nm).
BC635/S/15/WB	Singlemode Optical Transceiver Card for 4 x bidirectional AES Audio Signals (1550nm).
BC635/S/CWDM/WB	Singlemode Optical Transceiver Card for 4 x bidirectional AES Audio Signals (Dedicated CWDM Tuned Laser, Wavelength to suit ITU Grid Spacing - see CWDM Ordering Matrix).

Fitted with LC connectors as standard

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