

## BC Series Modular Fibre Optic Interface System



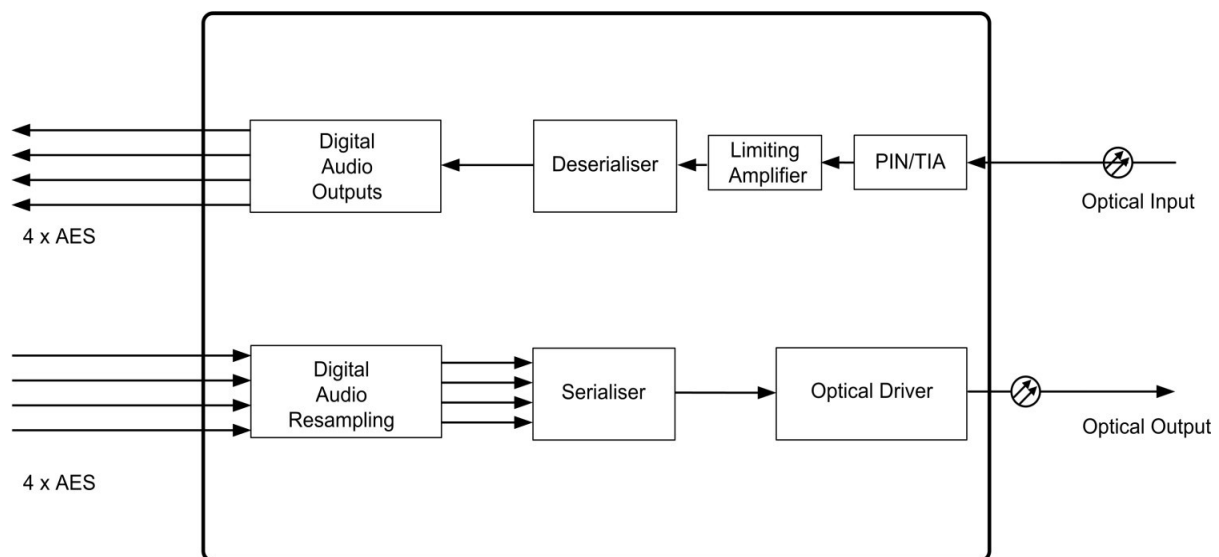
### Description:

- The BC635 is a bidirectional transmitter for transporting 4 channels of AES/EBU digital audio in each direction over two optical fibres.
- Each incoming signal is auto-sensed, equalised, multiplexed, and converted for reliable, jitter-free fibre transmission.
- Available in multimode, singlemode, WDM, and CWDM variants to support a wide range of fibre applications.
- Occupies a single slot in the BC100-3RU frame, which can hold up to 15 single-slot cards.
- Some BC Series cards offer dual functionality, allowing up to 30 video channels per 3RU frame.
- Supports SNMP monitoring via the BM102 network card and is also available in a rugged standalone enclosure.

BC635

4 Channel Bidirectional AES Audio Multiplexer

AES/EBU



## 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)
Number	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
Number	4 x AES/EBU Digital Audio
Optical Input/Output	
Connector	1 x Female LC
Wavelength	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 4HP
Height	129 mm (3RU)
Weight	100 g
Operating Temp	-30 to +70 °C
Power	2.4 W
Signal Detect	LED on for signal loss
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	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**

**For all available enclosures and frames see section “Universal Chassis and Power Supplies”.**

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