

## BC Series Modular Fibre Optic Interface System



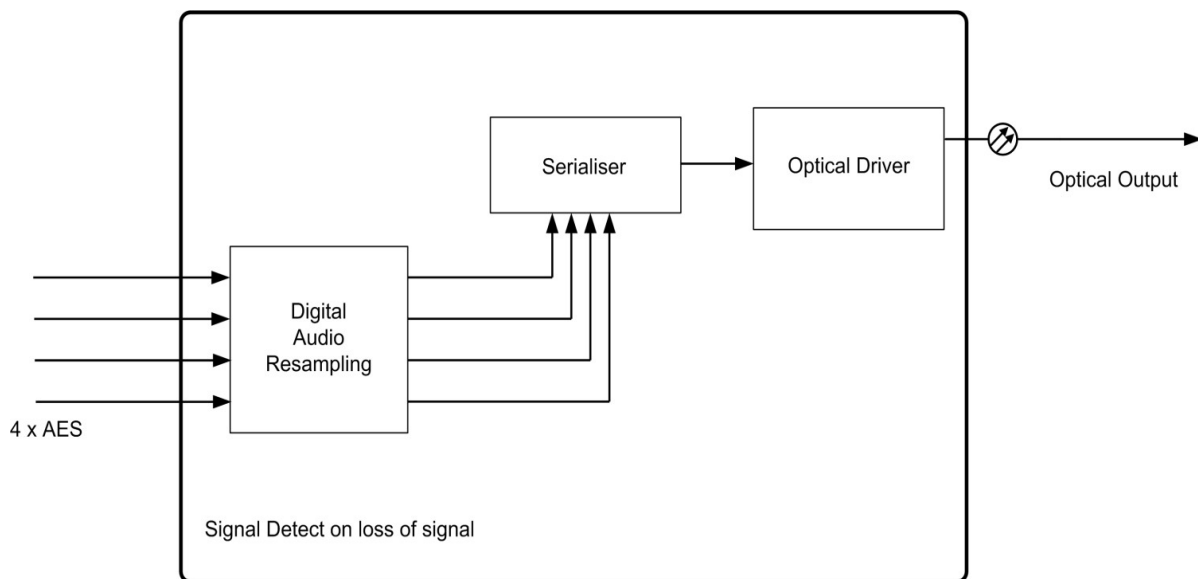
### Description:

- The BC630T is a transmitter that transports 4 channels of AES/EBU digital audio over a single optical fibre.
- The AES input is auto-sensed, equalised, multiplexed, and converted for jitter-free optical transmission.
- Can be paired with the BC620R to convert AES inputs into line-level analogue outputs.
- Available in multimode, singlemode, WDM, and CWDM variants for a wide range of fibre applications.
- Fits a single slot in the BC100-3RU frame, which holds up to 15 single-slot cards.
- Some BC Series cards support dual functionality, allowing up to 30 video channels per frame.
- SNMP monitoring is supported via the BM102 network card, and the unit is also available in a rugged standalone enclosure.

BC630T

4 Channel AES Audio Multiplexer

AES/EBU



## Specifications

Electrical Input Audio	
Connector	26-way D Connector
Impedance	110 Ohm
Format	AES 32 kHz to 192 kHz AES3-1992 (All 4 inputs resampled to 48 kHz)
Number	4 x AES/EBU Digital Audio
Optical Output	
Connector	1 x female LC plus secondary optical output
Wavelength	850 nm, 1310 nm, 1550 nm, CWDM See Ordering Information
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
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

## Ordering Information

BC630T/M	Multimode Optical Transmitter Card for 4 x AES Audio Signals.
BC630T/S/13	Singlemode Optical Transmitter Card for 4 x AES Audio Signals (1310nm)
BC630T/S/15	Singlemode Optical Transmitter Card for 4 x AES Audio Signals (1550nm).
BC630T/S/CWDM	Singlemode Optical Transmitter Card for 4 x AES Audio Signals (Dedicated CWDM Tuned Laser) (Wavelength to suit ITU Grid Spacing - see CWDM Ordering Matrix).

**LC connectors as standard.**

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



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