

BC Series Modular Fibre Optic Interface System



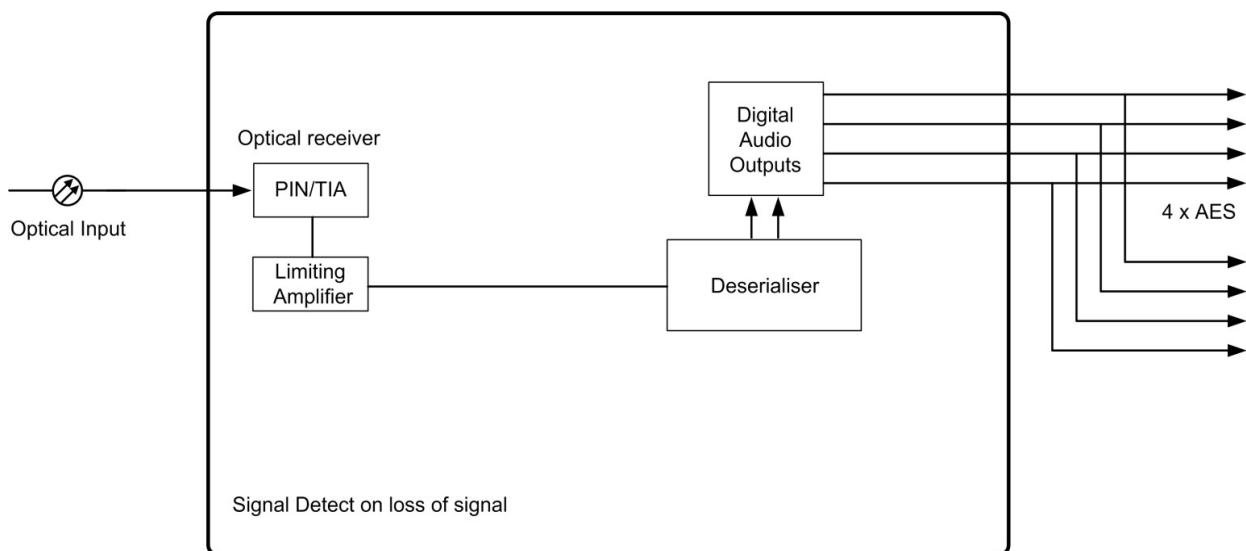
Description:

- The BC630R is a receiver that converts optical signals into 4 channels of AES/EBU digital audio.
- The input signal is amplified and reclocked to ensure clean, jitter-free digital output.
- Dual AES outputs per channel allow for both main feed and local monitoring.
- Can be paired with the BC620T to convert line-level analogue inputs into AES outputs.
- Available in multimode, singlemode, WDM, and CWDM variants for various fibre setups.
- Occupies a single slot in the BC100-3RU frame, which supports up to 15 single-slot cards.
- Some BC Series cards offer dual functionality, supporting up to 30 video channels in one frame.
- SNMP monitoring is available via the BM102 card, and the unit is also available in a rugged standalone enclosure.

BC630

4 Channel AES Audio De-Multiplexer

AES/EBU



Specifications

Optical Input	
Connector	1 x female LC See Ordering Information
Wavelength	850-1610 nm See Ordering Information for multimode and singlemode variants
Sensitivity	> -30 dBm @ 100 Mb/s
Max I/P Power	> -1 dBm
Electrical Output Audio	
Connector	26-way D connector
Impedance	110 Ohm
Format	AES 48 kHz AES3-1992
Number	4 x AES/EBU Digital Audio

General Card Specifications	
Depth	60 mm
Width	20 mm 4HP
Height	129 mm (3RU)
Weight	100 g
Operating Temp	-30 to +70 °C
Power	2.2 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	Dependent on SFP fitted. Complies with Class 1 laser product
RoHS	Complies with Directive 2002/95/EC
Warranty	5 years

Ordering Information

BC630R/M	Multimode Optical Receiver Card for 4 x AES Audio Signals.
BC630R/S	Singlemode Optical Receiver Card for 4 x AES Audio Signals.

Fitted with LC connectors as standard

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

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