

## BC SERIES MODULAR FIBRE OPTIC INTERFACE SYSTEM



### BC630R 4 Channel AES Audio De-Multiplexer

The BC630R is a receiver for the conversion of an optical signal into 4 channels of AES/EBU digital audio. The incoming optical signal is fed to a trans-impedance and limiting amplifier before being electrically reclocked on the outputs.

All Bluebell cards are designed to retain maximum integrity of the signal path offering excellent jitter free optical transport.

The BC630R card can be used with a BC620T unit allowing line level analogue inputs to feed digital audio AES outputs. Dual AES outputs are provided for each channel to provide local monitoring as well as a main transmission feed.

The BC630R is available in multimode, singlemode, WDM and CWDM variants to suit any fibre application.

The BC630R 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.

Signal and card monitoring is achieved through SNMP monitoring in the BM102 network card.

For stand alone applications the BC630R can be housed in an individual rugged enclosure.

## Specifications

### Optical Input

Connector <sup>1</sup> 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

### 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

### Electrical Output Audio

Connector 26-way D connector  
Impedance 110 Ohm  
Format AES 48 kHz AES3-1992  
Number 4 x AES/EBU Digital Audio

### 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.

<sup>1</sup>Fitted with LC connectors as standard

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

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