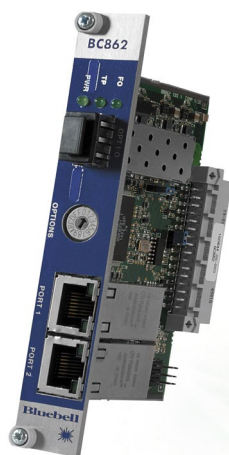


BC Series Modular Fibre Optic Interface System



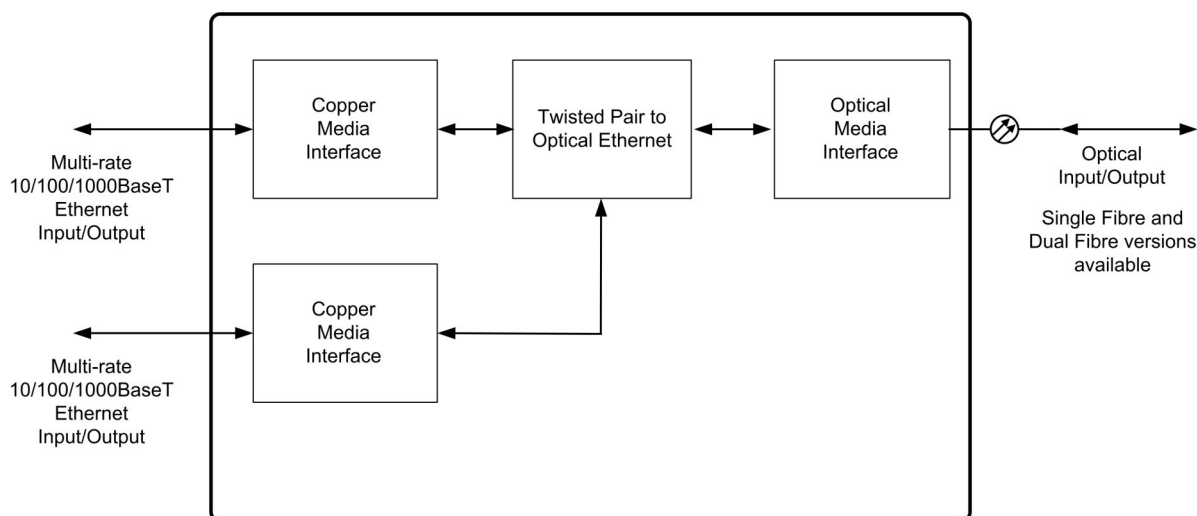
Description:

- Dual-port copper to fibre media converter for 10/100/1000Base-T to 100Base-FX or 1000Base-X conversion
- Supports two full-duplex data channels with 10/100/1000Base-T auto-negotiation
- Includes isolation transformers on twisted pair inputs and outputs
- LED indicators provide status for power, network, and fibre activity
- Delivers high signal integrity with jitter-free optical transport
- Available in multimode and singlemode versions, with single or dual fibre options
- CWDM models support ITU G.694.2 grid specifications
- Occupies a single slot in the BC100-3RU frame (up to 15 cards) or BC160-1RU (up to 6 cards)
- Also available in a rugged standalone enclosure for individual use

BC862

Multi-rate Ethernet to Fibre Converter Card

10/100/1000BaseT



Specifications

Electrical Input/Output	
Connector	RJ45
Number	2
Format	Full duplex 100/1000Base-FX Data Transmission 10/100/1000BaseT half/full duplex auto-negotiation
Standard	IEEE 802.3 802.3 10 BaseT 802.3u 100 BaseT 802.3ab 1000 BaseT
Optical Input/Output	
Connector	1 x female LC/PC Single Fibre Version 2 x female LC/PC Dual Fibre Version
Wavelength	See below; dependent upon model type Standard 100base-FX and 1000base-X
Optical Power	- 9 dBm @ 850 nm (Typical)-15 dBm @ 1310 nm multimode -6 dBm @ 1310 nm and 1550 nm singlemode -6 dBm @ CWDM wavelengths
Sensitivity	> - 3 dBm to – 28 dBm
Max I/P Power	> -1 dBm

General Card Specification	
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 power LED on for network activity LED on for fibre activity
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

BC862M/2	Multimode Dual Fibre 10/100/1000BaseT Ethernet to 1000Base-LX Fibre Converter Card. Dual Port.
BC862S/2/13/LH	Singlemode Dual Fibre 10/100/1000BaseT Ethernet to 1000Base-EX Fibre Converter Card (1310nm). 40km Long Haul Transceiver. Dual Port.
BC862S/2/CWDM/xx/WB	Singlemode Dual Fibre 10/100/1000BaseT Ethernet to 1000Base-EX Fibre Converter Card (CWDM). CWDM 40km Long Haul Transceiver. Dual Port.
BC862S/13/15	Singlemode Single Fibre 10/100/1000BaseT Ethernet to 1000Base-LX10 Fibre Converter Cards (1310nm). Dual Port. Used in conjunction with BC860/S/15/13 as a matched pair.
BC862S/15/13	Singlemode Single Fibre 10/100/1000BaseT Ethernet to 1000Base-LX10 Fibre Converter Cards (1550nm). Dual Port. Used in conjunction with BC860/S/13/15 as a matched pair.

Fitted with LC connectors as standard

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



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