

BC Series Modular Fibre Optic Interface System



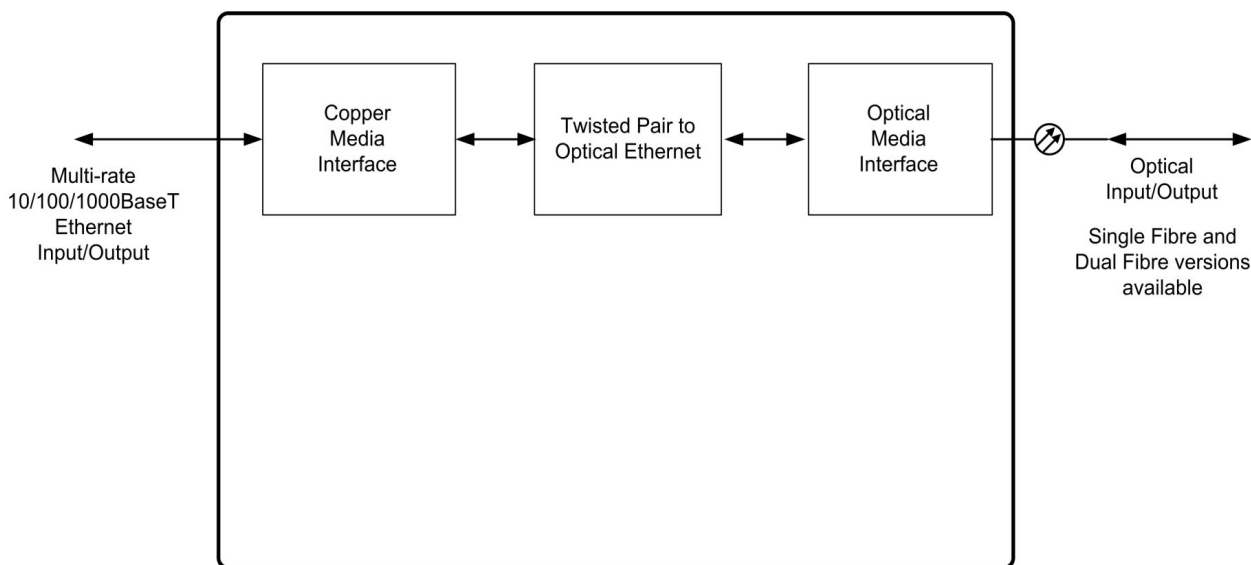
Description:

- Copper twisted pair to fibre optic media converter for 10/100/1000Base-T to 100Base-FX or 1000Base-X conversion
- Supports two full-duplex data channels with auto-negotiation for 10/100/1000Base-T
- Includes data isolation transformers for copper input and output
- LED indicators show power, network, and fibre activity status
- Ensures jitter-free optical transport with high signal integrity
- Available in multimode and singlemode variants, including single or dual fibre options
- CWDM versions 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)
- Supports SNMP monitoring via BM102 network card
- Also available in a rugged standalone enclosure for individual deployment

BC860

Multi-rate Ethernet to Fibre Converter Card

10/100/1000BaseT



Specifications

Electrical Input/Output	
Connector	RJ45
Number	1
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 Specifications	
Depth	60 mm
Width	20 mm 4TE
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
Electrical	Complies with EN 61000-6-1, EN61000-6-2
Laser Safety	Complies with Class 1 laser product 24 CFR 1040.10 & 1040.11
RoHS	Complies with Directive 2002/95/EC
Warranty	5 Years

Ordering Information

BC860M/2	Multimode Dual Fibre 10/1001000BaseT Ethernet to 1000Base-LX Fibre Converter Card BC860S/2/13/LH Singlemode Dual Fibre 10/100/1000BaseT Ethernet to 1000Base- EX Fibre Converter Card (1310nm) 40km Long Haul Transceiver
BC860S/2/CWDM/xx/WB	Singlemode Dual Fibre 10/100/1000BaseT Ethernet to 1000Base-EX Fibre Converter Card (CWDM) CWDM 40km Long Haul Transceiver
BC860S/13/15	Singlemode Single Fibre 10/100/1000BaseT Ethernet to 1000Base-LX10 Fibre Converter Cards (1310nm). Used in conjunction with BC860/S/15/13 as a matched pair.
BC860S/15/13	Singlemode Single Fibre 10/100/1000BaseT Ethernet to 1000Base-LX10 Fibre Converter Cards (1550nm). Used in conjunction with BC860/S/13/15 as a matched pair.

Universal Chassis and Power Supplies

BC100-3RU	19" 3RU Chassis for up to 15 BCxxx Cards with optional Network Monitoring and facility for Dual Redundant Power Supplies (not supplied).
PS65	90-250VAC Power Supply for BC100-3RU or BB100-3RU Chassis
BM102	Network Monitoring Card with Ethernet connection for Slot-16
BC160	19" 1RU Chassis for up to 6 BCxxx Cards fitted with Dual Redundant Power Supplies.
BC101	Single Slot Chassis with 4 pin XLR for power. PS12 power supply ordered separately.
BC102	Double Slot Chassis with 4 pin XLR for power. PS12 power supply ordered separately.
BC120	Triple Slot Chassis with Universal Mains Power Supply



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