

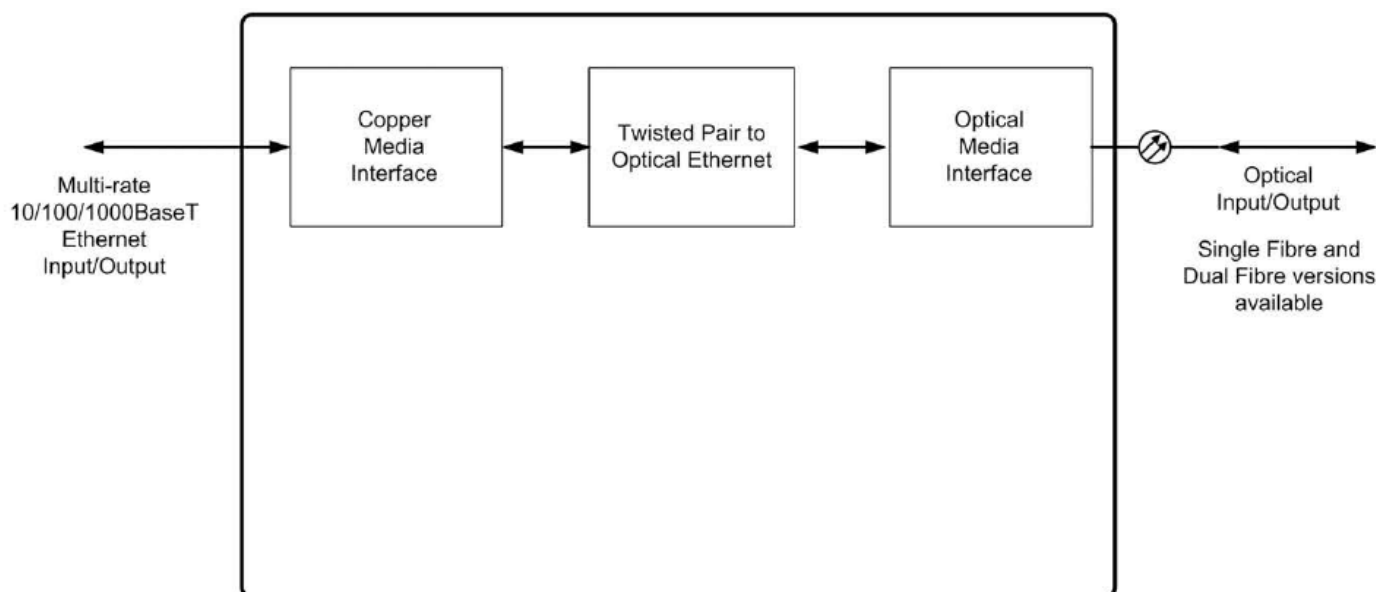
BN810 Ethernet to Optical converter



Description:

- Copper twisted pair to fibre optic media converter.
- Supports 10Base-T, 100Base-T, or 1000Base-T Ethernet data.
- Converts to 100Base-FX or 1000Base-X optical format.
- Includes data isolation transformers for input and output.
- LED indicators for power, network, and fibre activity.
- Available in multimode and singlemode variants.
- Options for full duplex over two fibres or single fibre operation.
- Distances up to 120 km achievable with appropriate SFP.
- CWDM versions available to meet ITU G.694.2 grid specifications.
- Suitable for OB applications with rugged enclosure design.

Schematic diagram:



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 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	- 9dBm @ 850 nm - 15dBm @ 1310 nm multimode - 6dBm @ 1310 nm and 1550 nm singlemode - 6dBm @ CWDM wavelengths
Sensitivity	- 3dBm to -28 dBm
Max I/P Power	- 1dBm

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 (1 year on SFPs)

Ordering Information

BN810S/2/13/LH	Singlemode Dual Fibre 10/100/1000BaseT Ethernet to 1000Base-EX Fibre Converter Card (1310nm). 40km Long Haul Transceiver
BN810S/2/CWDM/xx/WB	Singlemode Dual Fibre 10/100/1000BaseT Ethernet to 1000Base-EX Fibre Converter Card (CWDM). CWDM 40km Long Haul Transceiver
BN810S/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
BN810S/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. Fitted with LC connectors as standard
BN810	10/100/1000BaseT Ethernet to 1000BaseT fibre Converter module – No optics Fitted



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