



Product Description

BCP® single fibre to RJ45 media converters can convert an ethernet signal to a single-mode or multi-mode signal, to increase the distance of transmission in structured cabling networks.

Features & Benefits

- Transmission distances up to 120km
- Up to 1.4Gbps data rate
- Built-in 2 port switch which supports flow and bandwidth control
- Half duplex bi-directional fibre utilises WDM to transmit and receive through the same fibre
- Built-in RAM for data buffer
- Compliant to IEEE 802.3*, FCC and CE standards
- Card-type and media racks also available

Applications

- LAN Applications

Technical Specifications

Cable	SM or MM Fibre/Twisted Pair
Transmission Type	10/100M HDX
Wavelength (nm)	850~1625
Bandwidth	128Mbps
Data Buffer	128Kb
Distance	550m~120km
Operating Temperature	0 to +70
Weight (kg)	0.2 (External Power), 0.4 (Internal Power)
Dimensions (External Power) (mm)	95(L) * 70(W) * 26(H)
Dimensions (Internal Power) (mm)	140(L)* 110(W) * 30(H)
Power Consumption	3.5W
Operating Humidity (%)	5 - 90
Power External	DC5V 2A
LED indicator	POWER (power supply) FX Link/ACT (fibre link/action); TX Link/ACT (RJ45 link/action) 1000M, TDX/COL
Error Rate	< 10 ⁻⁹
Transmission Distance (km) (m)	Multi-mode Dual-fibre 2; Single-Mode Dual-fibre 20/40/60/80/120 Cat 5 Twisted Pair 100
Port	RJ45 Port: STP/UTP Cat 5 Twisted Pair - Optical Port: SC ST FC
Conversion Means	Media Conversion, Store-and-Forward



Ordering Information

Use combinations of **bold** letters and numbers to create part numbers for ordering.

Connector		Copper Connection Type		Speed		Distance	
B/FC	FC	1RJ	1 RJ45	ET	10/100M	10	10km
B/LC	LC	2RJ	2 RJ45	GB	10/100/1000M	20	20km
B/SC	SC	4RJ	4 RJ45	G1	1000M	40	40km
B/ST	ST	6RJ	6 RJ45	G2	2.5GB	60	60km
B/SF	SFP	8RJ	8 RJ45	G5	5GB	80	80km
		12RJ	12 RJ45	10	10GB	100	100km
		16RJ	16 RJ45			120	120km
						550	550m (MM only)
▲		▲		▲		▲	
B/SC	S	1RJ	EP	ET	SM	20	EU
▼		▼		▼		▼	
Dual Single	D S	External Power Internal Power Power Over Ethernet Industrial PoE OEO	EP IP PO IE OE	Single-mode Multimode	SM M	UK European US	UK EU US
Type Of Transmission		Power Supply		Fibre Connector Type		Plug	

Example Part Number	
Description	Part Number
BCP Single Fibre SC DX To 1 RJ45 Media Converter SM 20km, with External Power Supply 10/100m - European Plug	B/SCS1RJEPETSM20EU