



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
- 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
- Available with internal or external power supply
- 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	1.4Gbps
Data Buffer	2Mb
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	G1	SM	20	EU
⬇		⬇		⬇		⬇	
Dual	D	External Power	EP	Single-mode	SM	UK	UK
Single	S	Internal Power	IP	Multimode	M	European	EU
		Power Over Ethernet	PO			US	US
		Industrial PoE	IE				
		OEO	OE				
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 1000M - European Plug	B/SCS1RJEPG1SM20EU