



Fibre Optic Active

Media Converter Single Fibre To 2-4 X RJ45 – 10/100M



Product Description

Briticom® 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

- Up to 128 Mbps 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

	2 x RJ45	4 x RJ45
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)	140(L)* 110(W) * 40(H)
Power Consumption	3.5W	5W
Operating Humidity (%)	5 - 90	
Power External	DC5V 2A	DC5V 3A
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	

To Order

To place an order, use the contact details below.





Ordering Information

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

Connector		Copper Connection Type		Speed		Distance	
FC	FC	1RJ	1 RJ45	ET	10/100M	10	10km
LC	LC	2RJ	2 RJ45	GB	10/100/1000M	20	20km
SC	SC	4RJ	4 RJ45	G1	1000M	40	40km
ST	ST	6RJ	6 RJ45	G2	2.5GB	60	60km
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)
▲		▲		▲		▲	
SC	S	2RJ	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
Single Fibre SC DX to 2 RJ45 Media Converter SM 20km, with External Power Supply 10/100M - European Plug	SCS2RJEPETSM20EU

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