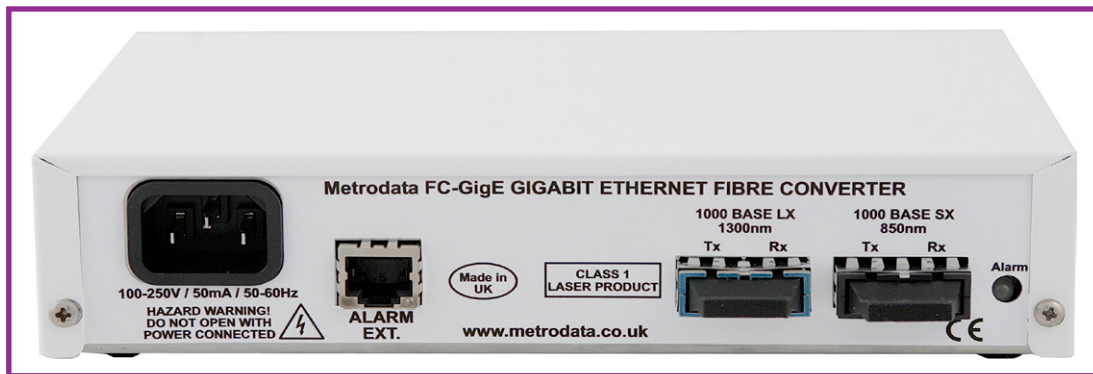


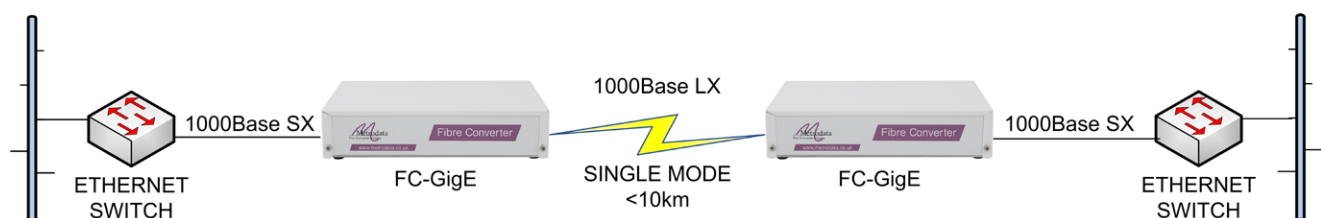
- Media conversion between 1000Base-SX and 1000Base-LX
- Gigabit Ethernet wavelength conversion between 850nm and 1300nm
- Payload and Protocol Transparent
- 1000Base-LX operates over 10km of singlemode fibre
- Zero configuration required - just plug & go
- External Alarm Relay
- Integral auto-sensing power supply (100-250V AC or -48V DC versions)
- 12-24V DC power supply available upon request
- Rack mounting kits for 2 or 18 units available



FC-GigE Gigabit Ethernet Fibre Converter

The FC-GigE is a fibre converter designed for the Gigabit Ethernet arena. The FC-GigE offers a low cost conversion of 1000Base-SX utilising low cost, 50/125um or 62.5/125um multi-mode fibre. Both ports of the FC-GigE have duplex SC fibre transceivers.

The FC-GigE is offered with a choice of integrated power supplies in AC or DC variants. The base unit may be adapted for rack mounting in a 19" Telecom Rack through either the 1U dual adaptor or the 6U 18 unit rack.



FC-GigE for Gigabit Ethernet extension singlemode fibre

Specifications

1000Base-SX		Compliance & Approvals	
Port	IEEE802.3z 1000Base-SX	Safety	EN60950, IEC-60825-1 (Class I Laser Eye Safety)
Interface	Dual SC, multimode 50/125um or 62.5/125um	EMC	EN55022, EN50082
Wavelength	850nm	Power supply	
Data Rate	1.25Gbps	-48 VDC	-36 to -72 VDC, 150 - 85mA
Tx power	-9.5 to -4 dBm	AC Mains	100 - 250 VAC, 50 - 60 Hz, 60 - 25mA, IEC connector
Max input power	0 dBm	Power consumption	6 watts approx when operating
Rx sensitivity	-17 to 0 dBm	Environment	
Optical loss budget	17db (550m)	Temp	0 - 50 deg C
1000Base-LX		Humidity	0 - 95% RH, non condensing
Port	IEEE802.3z 1000Base-LX	Pressure	86 - 106 KPa
Interface	Dual SC, singlemode 9/125um	Packaging	
Wavelength	1300nm	Type	Modem, 1U high without feet
Data Rate	1.25Gbps	Dimensions (W x D x H mm)	
	Singlemode	Rackmount	202 x 132 x 44 (without feet)
Tx power	-9 to -3 dBm	Tabletop	202 x 132 x 48 (with feet)
Max RX input power	-3 dBm		
Rx sensitivity	-20 to -3 dBm		
Optical loss budget	17db (10km)		

Order codes

Product	100 - 250 VAC	-48 VDC
FC-GigE	80-05-923	80-21-923
1U 2 Unit Rackmount Kit	80-05-256	
6U 18 unit Rackmount Kit	80-05-250	80-05-255

About Metrodata

Founded in 1989 Metrodata Limited offers a wide range of connectivity solutions for the LAN and WAN arena including Speed, Interface and Protocol Conversion devices. Network Interfaces and Transports supported include those for Serial, SDH/PDH, ATM, Ethernet and Fibre applications.

Our portfolio today extends from simple connectivity products through to Multiplexing and Managed Service Delivery Solutions for the Telecoms Carrier market. The company also offers Network Design and Integration services and in this area has a particular expertise in Fibre technologies, enabling clients to maximise the effectiveness of their Fibre infrastructure investments. Our business is to help our clients maximise their productivity whilst reducing costs.