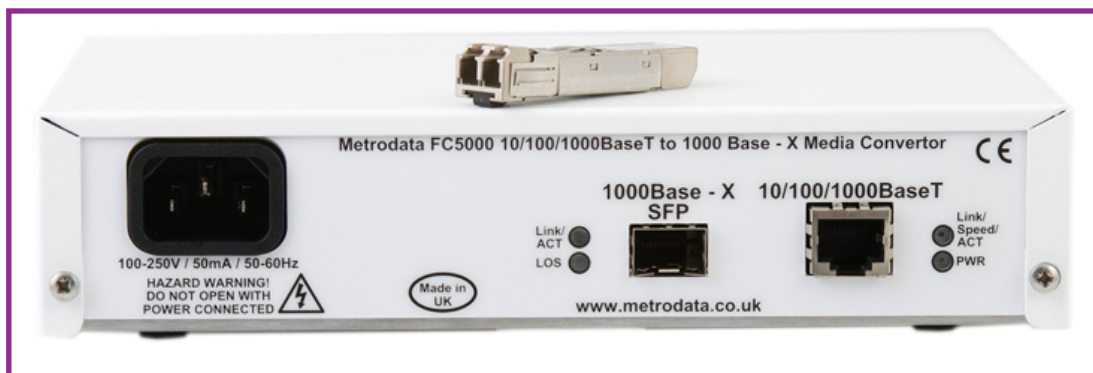


FC5000

10/100/1000BaseT to 1000Base-X Twisted Pair to Fibre Media Converter

- Media Conversion between 10/100/1000BaseT and 1000Base-X
- SFP (LC) module for 1000Base-X or 1000Base-FX
- Link State Forwarding
- Zero Touch, Plug and Play Interface
- LED status indications
- Compact unit with integral power supply
- Simple to install & maintain
- Rack mounting kits for 2 or 18 units available



FC5000 rear view

The FC5000 is a media converter aimed at the Gigabit Ethernet arena. The FC5000 offers a low cost conversion from twisted pair 10/100/1000BaseT to 1000Base-X fibre offering either multi-mode or single-mode options.

The FC5000 is a switching media converter operating in store and forward mode. The FC5000 supports auto-negotiation, and auto MDI/MDIX cross-over switching on the copper interface.

To ensure reliable operation, the FC5000 supports Link State Forwarding, whereby a fault on the fibre will automatically force a link down on the copper port to indicate to the attached device that there is a link problem.

The FC5000 is provided with an SFP module with LC connector supporting either 1000Base-SX for 550 metres operation over multi-mode fibre, or 1000Base-LX for up to 10km over a single-mode fibre.

The FC5000 is only orderable pre-configured with the required SFP variant. For those customers who may wish subsequently to change their interface type please contact Metrodata for price and availability of additional SFP modules.

There is a choice of 100-250 VAC or -48 VDC integrated power supplies. Rack mounting units are available to mount either 2 or 18 FC5000 modules in a 19" rack.

FC5000

10/100/1000BaseT to 1000Base-X Twisted Pair to Fibre Media Converter

Specifications

1000Base-X Fibre Interface		Compliance & Approvals	
Port	IEEE802.3z	Safety	EN60950, IEC-60825-1 (Class I Laser Eye Safety)
Interface	Dual LC	EMC	EN55022, EN50082
SFP 1000Base SX		Environment	
Wavelength	850nm Multimode	Temp	0 to 50 deg C
Max Rx input power	0 dBm	Humidity	0 - 95% RH, non condensing
Rx sensitivity	-17 to 0 dBm	Pressure	86 - 100 KPa
Optical loss budget	7.5dB (550m)	Storage Temp	-40 to 100 deg C
Tx power	-9.5 to -3 dBm		
SFP 1000Base LX		Power supply	
Wavelength	1300nm Singlemode	-48VDC	-36 to -72VDC, 125 - 65mA
Max Rx input power	0 dBm	AC Mains	100 - 250 VAC
Rx sensitivity	-17 to 0 dBm		50 - 60 Hz, 60 - 25mA
Optical Loss budget	9.5dB (10km)	Power consumption	6 watts approx when operating
Tx power	-9.5 to -3 dBm		
10/100/1000BaseT Electrical Interface		Packaging	
Port	10/100/1000BaseT with auto-negotiation	Type	Modem, 1U high without feet
Interface	RJ45 (Auto Crossover MDI/MDIX)	Dimensions (W x D x H mm)	
Operating modes	Auto Negotiate, 10M, 100M, 1000M Full Duplex, Half Duplex	Rackmount	202 x 132 x 44 (without feet)
LEDs	Link Activity, Speed	Tabletop	202 x 132 x 48 (with feet)

Order codes

Product	100 - 250 VAC	-48VDC
FC5000 1000BaseSX	80-05-934	80-21-934
FC5000 1000BaseLX	80-05-935	80-21-935
1U 2 Unit Rackmount Kit	80-05-256	80-05-256
6U 18 unit Rackmount Kit	80-05-250	80-05-255

About Metrodata

Founded in 1989 and based near London, England, Metrodata is a leading designer and manufacturer of datacommunications hardware for Fixed line, Satellite, Enterprise and Carrier networks. Specialising in interoperability and interconnectivity, Metrodata offers a range of Standard, Niche and System Integrated type products. These include Media converters, Interface converters, Fibre converters, Ethernet extenders and ATM switching and Circuit emulation products. Other specialist products manage high data rates and clock sensitive applications to ensure higher network performance. For more information and data on Metrodata products, visit our web site at www.metrodata.co.uk

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Metrodata reserves the right to change specifications without notice.
Please check when ordering.