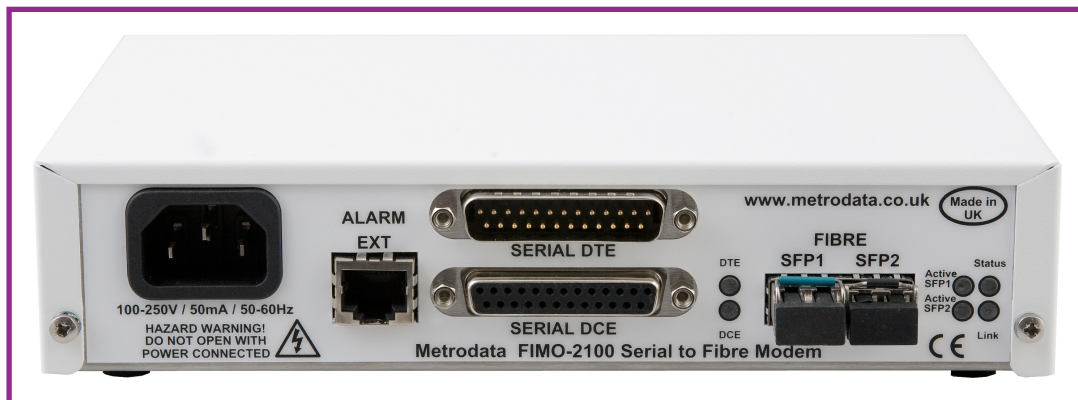


- Resilient fibre uplink using SFPs
- Multi-standard serial interface up to 8.192Mbps
- RS-232, EIA-530, V.35, X.21, V.36, FM0 interface support
- DTE or DCE interface via 25-way D-type connector
- Data rate configurable in Nx64 Kbps steps
- Fibre extension to 70 kms
- Simple Plug and Play device
- Alarm Extension Relay
- Compact unit with integral mains or DC power supply
- ROHS Compliant



**FIMO-2100 rear view**

The Metrodata FIMO-2100 is a standalone fibre optic extension unit for carrying synchronous serial data. The FIMO-2100 supports data rates up to 8.192Mbps and is fully configurable in Nx64 Kbps steps. The FIMO-2100 presents a DTE or DCE interface with the active interface selected by setting a bit-switch. A cross-over function supports DCE to DTE, DCE to DCE or DTE to DTE formats. The FIMO-2100 units are used in pairs across the fibre link which can be resilient.

The serial interface supports multiple standards including RS-232 and EIA-530. With the use of external adaptor cables, V.35, X.21, V.36 and FM0 are supported.

The fibre optic port is presented via a pair of SFP transceivers offering LC connectors. Multi-mode and Single-mode fibre interfaces are available at various wavelength and distance options including 1300nm multimode and singlemode, 1550nm and CWDM. When used with single mode long haul transceivers the FIMO-2100 can extend up to 70kms. An array of LED indicators provide status and activity monitoring, and an alarm extension relay may be used to transmit Alarm conditions such as Fibre Optic Link Down.

### Specifications

Serial Electrical Interface		Power Supply Options	
Presentation	25-way D-type, Male DTE or Female DCE	-48 VDC Supply	-40 to -72VDC, 200 - 100mA Buccaneer connector
Standards	RS-232, EIA-530	AC Mains	100-250VAC, 50 - 60Hz, 60-25mA, IEC connector
With adaptor cable:	V.35, X.21, V.36	Power Consumption	6 watts approx when operating
Signals	TXD, RXD, RTS, CTS, DCD, DSR, DTR, RI, LL, RL, TM	<b>Packaging</b>	
Maximum data rate	8.192Mbps in Nx64Kbps steps	Type	Modem, 1U high without feet
Clocks	RxC, TxC, ETxC	Dimensions - W x D x H mm	
<b>Fibre Interface</b>		Rackmount	202 x 132 x 44 (without feet)
Port	Resilient SFP fibre port	Tabletop	202 x 132 x 48 (with feet)
Interface	Dependant on SFPs fitted	<b>Environment</b>	
Multimode SFP 2km 1300nm	Fibre optic loss budget 8.5dB	Temp	0 - 50 deg C
Singlemode SFP 10km 1300nm	Fibre optic loss budget 13dB	Humidity	0-95% RH, non-condensing
Singlemode SFP 40km 1300nm	Fibre optic loss budget 20dB	Pressure	86 - 106 KPA
Singlemode SFP 80km 1550nm	Fibre optic loss budget 29dB		

### Order Codes

Product	Part Number	
	100 - 250 VAC	-48 VDC
FIMO-2100	80-05-940	80-21-940
1U 2 Unit Rackmount Kit	80-05-256	80-05-256
6U 18 unit Rackmount Kit	80-05-250	80-05-255

SFP	Part Number	Description
Multimode SFP 2km 1300nm	80-30-021	MM Loss budget 8.5dB
Singlemode SFP 10km 1300nm	80-30-031	SM loss budget 13dB
Singlemode SFP 40km 1300nm	80-30-033	SM loss budget 20db
Singlemode SFP 80km 1550nm	80-30-042	SM loss budget 29dB

### About Metrodata

Founded in 1989 and based near London's Heathrow airport, Metrodata is a leading designer and manufacturer of data communications 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. Metrodata provides COTS products to the commercial, government and defence sectors, as well as developing turnkey products to specific customer requirements. For more information and data on Metrodata products, visit our web site at [www.metrodata.co.uk](http://www.metrodata.co.uk)

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