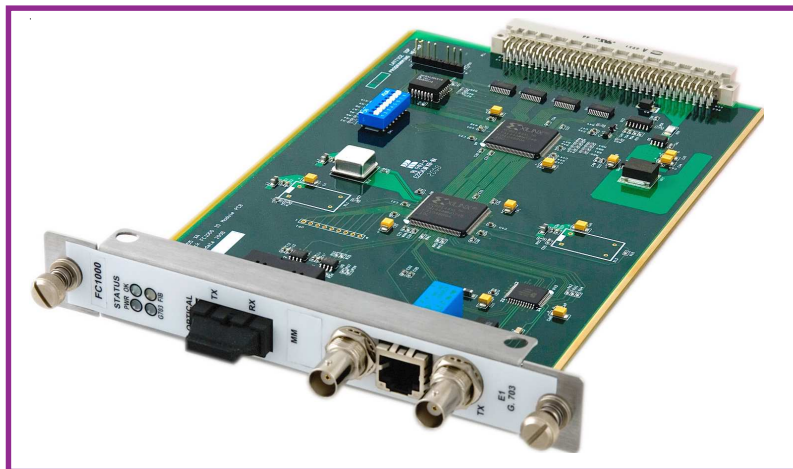


MetroRack chassis

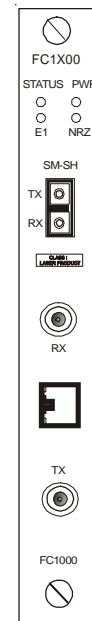
Metrodata's MetroRack presents you with a centralised management option which provides efficient use of limited rack space by offering high density. The MetroRack is a 4U high, 19" rack based chassis unit which has 13 available slots that can accommodate the SNMP management module and a selection of I/O interface modules. Spare Modules can be resident in the chassis ready for immediate additional functionality or to provide 'in situ' spares. Ease of maintenance and the provisioning of new services is fulfilled through the modules and power supplies being "hot swap" compliant.



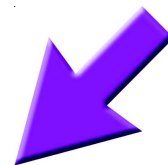
FC1X00 module

The FC1X00 module extends an E1 G.703 signal over a pair of single-mode or multi-mode fibres. The FC1X00 will extend both voice (PBX) and data (Router E1 G.703 port) over several kilometres.

The three FC1X00 models provide single mode short haul, single mode long haul or multi-mode fibre interfaces using SC connectors. The E1 interface uses either a pair of BNC connectors or a single RJ45 connector. The FC1X00 module provides a clear channel E1 path over the fibre. This means that the signal can be either framed or unframed.



data sheet MetroRack FC1X00



FC1X00 Specifications

Multi-mode Fibre Interface		Line E1 Electrical Interface	
Interface	Dual SC multi-mode 62.5/125 um	Port	G.703, 75 ohm unbalanced 120 ohm balanced
Tx power	-14 to -19 dBm	Interface	BNC (75 ohm), RJ45 (120 ohm)
Max Rx input power	-14 dBm	Line coding	HDB3
Rx sensitivity	-14 to -30 dBm	Bit Rate	2.048 Mbps +/- 50 ppm
Optical loss budget	-19-(-30) = 11dB	Barrier	Fully barriered per EN41003
MetroRack FC1000	Part No: 80-15-910	Cable lengths	RG59 = 600 m UR202 = 750 m
Single-mode Short-haul Fibre Interface		Compliance & Approvals	
Interface	Dual SC single mode 8/125 um	Performance	PD7024 (NTR4)
Tx power	-8 dBm to -15 dBm	Safety	EN41003, EN60950
Max Rx input power	-8 dBm	EMC	EN55022, EN50082
Rx sensitivity	-8 to -31 dBm	Environment & power	
Optical loss budget	-15 - (-31) = 16 dB	Temp	0 - 50 deg C
MetroRack FC1100	Part No: 80-15-918	Humidity	0 - 95% RH, non-condensing
Single-mode Long-haul Fibre Interface		Pressure	86-106 kPa
Interface	Dual SC single mode 8/125 um	Power Consumption	6 watts operating
Tx power	0 dBm to -5 dBm	Dimensions	
Max Rx input power	-8 dBm (may need attenuator)	Type	Card with end-connector
Rx sensitivity	-8 to -34 dBm	Dimensions	W x D x H mm
Optical loss budget	-5 - (-34) = 29 dB	Overall	25 x 235 x 177
MetroRack FC1200	Part No: 80-15-919		

MetroRack FC1X00
datasheet

About Metrodata

Founded in 1989 and based near London's Heathrow airport, 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 Systems Integration 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 data on Metrodata products, visit our website at www.metrodata.co.uk
 Metrodata reserves the right to change specifications without notice.
 Please check when ordering.

Part No: 79-03-095A