

Telephone

4-Channel ISDN Multiplexer

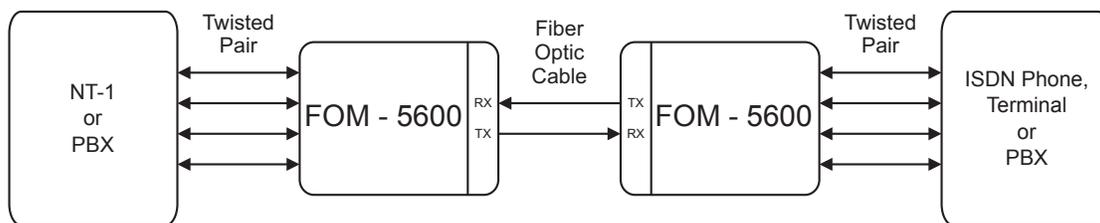
Features

- Data Rate: 192kbps
- Compliant with:
 - ANSI T1.605-1991
 - CCITT I.430
 - ETSI ETS 300 012
- Supports ISDN BRI (Basic Rate Interface) services, also known as BRA (Basic Rate Access)
- 2B+D data passes transparently
- All 4 channels are independent and may be operated at different data rates or interfaces.
- Each channel can be retimed to allow longer S/T runs

Description

The FOM-5600 provides complete electrical isolation for 4-wire S/T-Interface ISDN communications. The unit has four channels that are independent of each other with two switches each that allow users to select between different ISDN modes and interfaces. The unit can be used in areas of high electrical noise or in and out of RF shielded enclosures. The fiber optic cable is not susceptible to interference caused by impulse noise, crosstalk, or EMI. The potential problem of creating ground loops or ground offsets is also eliminated because signal ground is not carried over the fiber. The unit enhances privacy of communications because fiber can not be tapped without being detected and does not radiate any emissions. In addition, the FOM-5600 offers much longer transmission distances than traditional CAT5 cabling. Each channel can be retimed to allow longer S/T runs. A typical link consists of two FOM-5600, one at each end of the network with a duplex fiber optic cable between them.

Typical Application



Specifications

		Min	Typ	Max
Power Requirement	Voltage Range (V)	20	24	34
	Supply Current (mA)	-	400	600
Data Rate (kbps)		-	192	-
Line Encoding	Pseudoternary AMI (Alternate Mark Inversion)			
Environmental	Storage Temperature (°C)	-40	-	85
	Operating Temperature (°C)	0	-	50
Interface Connector				RJ-45 (x4)

Physical Specifications

	Length	Width	Height	Weight
Card Dimensions	11.25 in (286 mm)	0.825 in (21 mm)	5..25 in (133 mm)	10 oz (0.3 kg)

Optical Characteristics - All

Order Suffix	Fiber	Fiber Type*	Max Dist (km)	λ (nm)	Bandwidth Typ (dB)	Loss (dB)	Connector
T12	Multimode	OM2	1.88	850	15.5	10.14	ST
L12	Multimode	OM2	1.88	850	14.5	10.14	LC
T5B	Singlemode	OS1, OS2	20	1310	20	12.5	ST
L5B	Singlemode	OS1, OS2	20	1310	13.5	12.5	LC
C	SFP Cage with no Optical Module Installed						

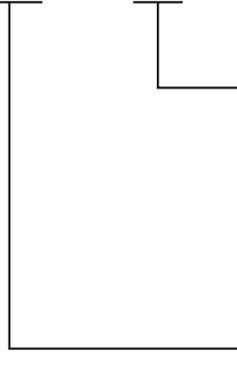
* Specs obtained assuming fiber is as described in 'Fiber Type' with a 266MB Data Rate

Accessories

RMC-5000	16 slot, 7.5" high (5U), 19" wide rack mount chassis Includes one PSM-5000 AC power supply
RMC-5000D	16 slot, 7.5" high (5U), 19" wide rack mount chassis Includes one PSM-5048 DC power supply
PSM-5000	RMC-5000 AC redundant power supply, 90-250 VAC input, 250W
PSM-5048	RMC-5000 DC redundant power supply, 35-56 VDC input, 250W
SAC-1AC	Single slot stand-alone chassis, 90-250 VAC or 120-370 VDC input, 15W
SAC-1DC	Single slot stand-alone chassis, DC input

Ordering Information

FOM - 5600 -



Optical Interface:

- T12 = multimode, 850nm, 2km, ST
- L12 = multimode, 850nm, 2km, LC
- T5B = singlemode, 1300nm, 20km, LC
- L5B = singlemode, 1300nm, 20km, LC
- C = SFP cage, no optical module

Other Optical interfaces available on our custom Catalog

Card Type:

- FOM = for use with RMC-5000 or SAC-1
- FOM2 = dedicated standalone unit

For special applications that require custom units, please call FiberPlex for more information.