



The OPTIMUX bundles four E1 channels onto one optical fibre

Increases bandwidth at remote locations - supports 4x2 Mbit/s, transparent and independent connections.

FUNCTIONAL DESCRIPTION

The OPTIMUX system serves for transmission of four independent 2 Mbps data streams (G/703) via one optical fibre. Transmission is bi-directional multimode/monomode at 1300nm.

The OPTIMUX system was developed for applications where large transmission ranges are not crucial, but mounting flexibility and durability for operation within harsh environments essential.

The four DTE interfaces conform to the ITU-T G/703 recommendation. Transmission can be transparent or conforming to ITU-T G/704. Clocking of the four channels is fully independent from each other and for each direction.

APPLICATIONS

- Subscriber access to digital networks via fibre optic lines.
- 2 Mbps transmission on private fibre optic and 4-wire lines.
- Links to radio base stations.
- Provision of PRA's, E1 Drop & Insert

MANAGED SOLUTION

SNMP management for remote performance monitoring and controlling enables you to rapidly detect any potential failure situations and to take corrective measures.

The OPTIMUX can be managed by the DT NMS management system.

FEATURES

- 2 Models
Table-top OPTIMUX MINI
Rack card OPTIMUX 4x2.
- Optical transmission via single monomode optical fibre.
- 8 Mbps full duplex.
- 4 clock independent E1 interfaces.
- Transparent transmission



TECHNICAL DATA

General	Interfaces	G.703 on the rear side RJ45 fibre on the rear side FC/PC. Operator interface on the front panel RJ45.	
	Network Management	DT NMS/SNMP	
	Environmental conditions	Operation	0°c to + 50 °c
		Storage	20°c to + 70°c
		Relative humidity	max. 90% non-condensing
OPTIMUX Mini	Dimensions	271x173x45mm (WxDxH)	
	Power Supply	40VDC to 250 VAC mains cable 1,5m Euro	
OPTIMUX 4x2 (UMUX 1200/1500)	Dimensions	25x162x262mm (WxDxH)	
	Power Supply	+5V from the card rack	