

FXS FXO POTS E&M Voice Optical Multiplexer

1~32(FXO/FXS/RS232/V35/E&M/G64K) Optical Multiplexer



GENERAL INFORMATION :

PCM-32 Voice Optical Multiplexer provides 31 interfaces for multi-service accession ; It combines voice interfaces, data interface and one line Ethernet of 100M sharing wire-speed into a standard fiber signal for transmission. The voice interface includes telephone, 2/4 lines audio frequency, 2/4 lines EM, magnet. The data interface includes V.21, V.22, V24, V28, RS232, RS422, RS485 and V35.

PRODUCT CHARACTER:

- a) It provides 30 lines of optional user interfaces of various types to facilitate the access of various services;
- b) The voice interface supports caller ID display;
- c) It can provide anti-pole signals;
- d) It transmits signals through fiber optical;
- e) It is supplied with perfect function of status indication to facilitate maintenance and management;
- f) With small size, attractive appearance, and easy for installation and operation

Technical Parameters:

Optical Fiber Interface

NTC

Interface types : FC/SC, single/multiple mode, single/dual fiber optional

Transmission distance : 10/30/50 kilometers optional

Lightening power : $\geq -8\text{dBm}$

Receive sensitivity : $\leq -36\text{dBm}$

FXS phone port

Ring voltage : 75V

Ring frequency : 25HZ

Two line input impedance : 600A(hanging off)

Wastage : 40 db

FXO switch port

Ring test voltage : 35V

Ring test frequency : 17HZ-60HZ

Two line input impedance : 600A(hanging-off)

Wastage : 40 db

2W/4W audio or 2W/4W E&M interface

Impedance: $200\Omega + 680\Omega \parallel 0.1\mu\text{F}$

4 lines AD gain: 14 dB(tunable)

4 lines DA gain: -2 dB(tunable)

4 lines AD frequency characteristic: -0.2 - +0.2dB

2 lines AD frequency characteristic: -0.2 - +0.2dB

2 lines DA frequency characteristic: -0.2 - +0.2dB

Return loss: 40dB

Degree of balance: 70dB

Mutual module rejection ratio: 70dB

Power rejection ratio: 30dB

Spare channel noise: $\geq 65\text{dB}$

Loop impedance: 600Ω

V.35 interface

Interface type: V.35 synchronous

NTC

Velocity: N×64Kb/s (N =1~15)

Clock mode: DCE

100Base_T interface

Port number: 2 channels

interface type : 100Base-T

transmission speed : 100Mbps

protocol : link layer bridging

RS232 interface

Speed : ≤19.2kbps auto-negotiation

Mode : Asynchronous Receiver/Transmitter

Physical Interface: RJ45 jack

RS232 Synch interface

Interface type:V.24 asynchronous (simplex, duplex is optional)

Rate:4800bps, 9600bps,19200bps, optional

Clock mode:DCE, DTE, optional

Power supply

--- -48VDC, 220VAC (with adapter)

Operating condition:

--- temperature-40°C ~ +70°C, Humidity95%

Dimension:

--- 42.8cm × 21.6cm × 4.8cm (can be mounted on 19 inch standard cabinet)

NTC

