

PCM-32 Optical Multiplexer



This product is elementary equipment for digital communication system, also called PCM group bank equipment. It gathers signals such as FXS FXO, Ethernet, RS232/422/485, V.35, E&M... into an optical interface and achieves the point-to-point transmission of these signals

Features:

- a) Optical interface as uplink, it provides up to 30 channels user interfaces of (FXS, FXO, RS232, RS485, RS422, V.35, V.24, G.703 64K, 2-wire, 4-wire Voice, 2/4-wire E/M) , with one 10BaseT port optional;
- b) Voice interface with caller ID and counter-pole signal;
- c) Perfect status display function, easy to maintain;
- d) Small bulk, attractive appearance, convenient installation and operation.

Technical Specification

Fiber Optical Interface

Interface: FC/SC

Wavelength: 850nm/1310nm multi-mode, 1310nm/1550nm single mode.

Transmit distance: 2Km multi-mode, 40Km/60Km/120Km single mode.

FXS FXO interface

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|------------------------------|-----------------------|
| a) impedance: | 200Ω+680Ω 0.1μF |
| b) insertion loss: | -3±0.75dB |
| c) frequency characteristic: | 300~3400Hz(-0.6~+3dB) |
| d) cacophony: | ≤63.7dBmop cacophony |
| e) crosstalk attenuation: | ≥65dB |

2 lines/4 lines audio frequency interface (2 lines/ 4 lines E&M interface)

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|---|------------------|
| a) Impedance: | 200Ω+680Ω 0.1μF |
| b) 4 lines AD gain: | 14 dB(tunable) |
| c) 4 lines DA gain: | -2 dB(tunable) |
| c) 4 lines AD frequency characteristic: | -0.2 - +0.2dB |
| f) 2 lines AD frequency characteristic: | -0.2 - +0.2dB |
| g) 2 lines DA frequency characteristic: | -0.2 - +0.2dB |
| h) Return loss: | 40dB |
| l) Degree of balance: | 70dB |
| j) Mutual module rejection ratio: | 70dB |
| k) Power rejection ratio: | 30dB |
| m) Spare channel noise: | ≥65dB |
| n) Loop impedance: | 600Ω |

V.35 interface

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|--------------------|--------------------|
| a) interface type: | V.35 synchronous |
| b) speed: | Nx64Kb/s (N =1-15) |
| c) timing mode: | DCE |

10Base T interface

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|------------------------|---------------------|
| a) interface type: | 10Base-T |
| b) transmission speed: | 10M |
| c) protocol: | link layer bridging |

RS232 interface

Speed: ≤19.2kbps auto-negotiation
 Mode: Asynchronous Receiver/Transmitter
 Physical Interface: RJ45 jack

RS232(synchronous) interface

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|--------------------|---|
| a) Interface type: | V.24 asynchronous (simplex, duplex is optional) |
| b) Rate: | 4800bps, 9600bps,19200bps, optional |
| c) Clock mode: | DCE, DTE, optional |

Environment

- Power Input: -36V~-72V DC input
- Operating temperature: 0℃~+50℃
- Storage temperature: -20℃~+80℃
- Humidity:5%~90% (35℃)
- No corrosive and solvent Gas, no fluty dust and intense magnetic-field interference

Mechanical Parameter

19 inch standard frame: 210mm (D) × 480mm (W) × 44mm (H)

