winyuan

PCM-300 4/**8E1+2Eth+1~32(FXO/FXS/RS232/V35/E&M/G64K)**

Optical Multiplexer

PCM-300 optical multiplexer is broadband multi-service access device. It uses fiber as transmission medium, providing the customer 2 lines 100Mb/s Ethernet data accession, 4 or 8 lines E1 (2Mb/s) transmission channel and 32 lines common interface(including FXO, FXS, 2 lines audio frequency, 4 lines audio frequency, 2 lines E&M, 4 lines E&M, RS422, RS485, magnet telephone, hot line, V.35, 64 Kbit/s co-directional data interface, and so on), the customer can assemble the user interface from 1 to 32 lines freely. This device meets the customer's needs for traditional narrowband service and popular broadband service.

Features:

a)   Provides 2 lines 100Mb/s Ethernet interface, 8 lines E1 interface and 32 lines optional customer interface;

b)   Abundant service interfaces are（FXS, FXO, RS232, RS485, RS422, V.35, V.24, Ethernet，G.703 64K，2-wire, 4-wire Voice, 2/4-wire E/M） convenient for the reception of multi-service;

c)   Voice interface supports caller ID function;

d)   Perfect status showing function for convenient maintenance and management;

e)   Small size, attractive appearance, easy to install and operate it;

Technical Specification

Link interface: optical interface

a)   Bit rate: 155.52Mbps±20ppm

b)   Code type: NRZ+ scrambler

c)   Transmitting optical power: > -5dB ～ -17dB

E1 Interface

·Standard E1 interface in conformity with ITU-T G.703, G.704, G.712

a）   Bit rate：   2048Kbps±50ppm

b）   code pattern：   HDB3

c）   interface impedance：   75Ω or 120Ω

FXS FXO interface

    a) impedance： $200\Omega+680\Omega||0.1\mu F$

    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)

    a)   Impedance: $200\Omega+680\Omega||0.1\mu F$

    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

    I)   Degree of balance: 70dB

    j)   Mutual module rejection ratio: 70dB

    k)   Power rejection ratio: 30dB

    m)   Spare channel noise: ≥65dB

    n)   Loop impedance: 600Ω

RS232(asynchronous) interface

    a)   Interface type: V.24 asynchronous

    b)   Rate: 0 – 19.2Kbps

RS232(synchronous) interface

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

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

    c)   Clock mode: DCE, DTE, optional

V.35 interface

    a)   Interface type: V.35 asynchronous

    b)   Rate: Nx64Kb/s(N =1-30)

    c)   Clock mode: DCE

10/100Base_T interface

    a)   Interface type: 10/100Base-T

    b)   Interface rate: 10M/100Mbps, adaptive

    c)   Transmission rate: 100Mbps

· *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*

   Standalone(19):

     ·Dimension: 260mm×480mm×44mm