

30-Channel PCM Multiplexer

This PCM multiplexer features a modular design for flexible configurations. It supports 30 channels for voice or data transmission.



Overview

Professional 30-Channel PCM Multiplexer

This PCM basic group device is a fundamental component for digital communication systems, designed to multiplex voice, data, and image signals into a standard 2M interface. It supports point-to-point transmission via a wide variety of optional interface cards, making it highly adaptable for diverse service requirements. With its compact 1U design and comprehensive status monitoring, it provides a reliable and easy-to-install solution for B2B telecommunications infrastructure.

Key Performance Metrics

30 CH

Max Channels

2048 kbit/s

E1 Bit Rate

48 V

Input Voltage

Functional Features

Core Functionalities

- Supports Caller ID display on voice interfaces
- CCB payphone application with polarity reversal
- Direct 2M channel transmission
- Comprehensive status indications for easy maintenance
- Compact form factor for easy installation

Interface Options

Optional Subscriber Modules

FXO, FXS, 2/4 Wire E&M, RS232/V.24, RS422, RS485, Hot-line, Magnet Phone, V.35, 10/100Base_T Ethernet, G.703 64Kb/s

Technical Specifications

G.703-E1 Interface

Parameter	Value
Standard	ITU G.703/G.704
Line Code	HDB3
Impedance	75 Ω or 120 Ω
Bit Rate Fault Tolerant	+102.4bit

FXS/FXO Interface Parameters

Metric	Specification
Impedance	600 Ω
Frequency Characteristic	300~3400Hz
Insertion Loss	-3 \pm 0.75dB
Crosstalk Attenuation	e6dB
Loop Impedance	d180 Ω

Ethernet Interface

- Compatible with IEEE802.3
- LAN Rate: 10/100Base_T
- WAN Rate: n \times 64k (n=1-30)
- Modes: Simplex, Duplex, Full-duplex, Transparent

Power & Environment

Nominal Input Voltage	-48 V
Dynamic Voltage Range	-36V to -72V
Operating Temperature	0 ~ 40
Relative Humidity	d 90% \leq t 25)