

# 1U PCM Cross Multiplexer with 9 E1 Protection Modes

This 1U PCM cross multiplexer features a modular design for flexible configurations. It supports nine optional E1 protection modes.



## Overview

### High-Density PCM Cross Multiplexer

The ZMUX-36 is a professional-grade 1U rackmount PCM cross multiplexer designed for flexible modular distribution of voice, data, and image channels. It supports up to 4 E1 interfaces with 9 optional protection modes, ensuring reliable transmission even if a primary connection is lost. This versatile device is ideal for complex network extensions in sectors such as power stations, government agencies, and industrial mining operations.

## Key Performance Metrics

### Core Performance

**2048 Kbps**  
E1 Link Speed

**32 Channels**  
Max Subscriber Ports

**600 us**  
Signal Delay

## Technical Specifications

### Compliance Standards

ITU-T G.703 • ITU-T G.732

Link Interface	E1 (2048Kbps)
Interface Impedance	75 $\Omega$ , 120 $\Omega$
Internal Clock Accuracy	$\pm$ 30ppm

## Physical Design

Dimensions (W x H x D)	482.6mm x 44.45mm x 270mm
Form Factor	19-inch 1U Rackmount
Power Input	DC -48V
Ventilation	Natural ventilation

## Subscriber Interfaces

### Supported Interface Types

- FXO / FXS
- 2-wire/4-wire Audio & E&M
- RS232 (Async/Sync)
- RS422 / RS485
- V.21 / V.22 / V.35
- Hot-line / Magnet Telephone
- 10/100Base\_T Ethernet (10M bandwidth)
- G.703 64Kb/s Synchronous Data

## Environmental Conditions

Working Temperature	0 to 40
Relative Humidity	Less than 85% (+25 ), non-condensing

## Applications

Typical Deployment Scenarios	SDH Network, PDH Optical Terminals, Microwave Telecommunications, Power Stations, Mines, Airports, Police & Military
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