

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 Ω , 120 Ω
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