

16E1+1*LAN Fiber Optical Multiplexer



Model name: FMO-480

FMO-480-ETH

Function Description

fiber optical multiplexer can multiplex to 16 E1 +1*LAN signals for transmission over an optical fiber, resulting in reaching a longer distance without a repeaters and superior performance compared to copper media.

fiber optical multiplexer is the point-to-point optical transport equipment that uses the FPGA chips and it is easy to upgrade. It is single board structure and the largest transmission capacity is 16E1. The outer design use the standard 19 inches rack, so the volume is little, weight is light and operation is convenient and credit.

fiber optical multiplexer, is use the PDH fiber transmission technologies. The 2M (E1) interfaces can connect with the exchanger, light loop device and multi-diplexer directly to form the mircomidi or the special network. Complete alarm function for 16E1, it is stable and easy to maintenance, install and small in size. It has one digital service telephone.

Features

Below lists the features for 16E1 fiber optical multiplexer:

- Offer16*E1 X 2Mb/s digital interfaces
- Offer one 10/100M Ethernet channel for option on fiber
- The supervisory control interface implements centralized monitoring and export the monitor Address: Wantang Road, West lake district, Hangzhou, China. Tel: +86 571 56835582 Email: xsr@ebang.com.cn



and control information of this port and opposite port.

- One link to service telephone for duty contract
- 90-260VAC & -48VDC power options and the positive and negative of DC-48V can be optional because there is the self-test circuit for the polarity inside th1e device
- Standard 19/9.5 inches rack, little volume, light weight, steady capacity and convenient setup
- Digital clock recovery circuit and digital smooth DPLL adopted for 2.048Mb/s port
- LED indicators
- Has 1+1 fiber uplink protection for optional
- Power supply redundancy : AC220 and DC-48V for option

characteristic

- realizes long-distance monitoring of this end equipment to the far-end equipment (two-row indicating lamp, upper row indicates local status, lower row indicates far-end status)
- → provides function of ordering 16 E1 to loop return from the remote end, fiber self-loop
 at local end; Ethernet to loop at remote end and provides a group service telephone
 interface (for option)
- ♦ the double filament bidirectional and the single filament
- ♦ bidirectional type may select
- requirement, and does not have the fault time equally (MTBF) above 70,000 hours
- ♦ has the redundant reliability, provides installment of 19 "rack,
- ♦ free combination of AC+DC for option

Optical interface

Optical wavelength: 850nm/1310nm for multi- mode optical interface,

1310nm/1550nm for single-mode optic interface

Optical interface: SC/FC

Receiving and dispatching module: >-6dBm

Optical receiver receiving sensitivity <-36 (BER<10):

Dynamic range receiving: >-30dB

Transmitting range: Multi-mode 2 Km, single-mode 20Km, single-mode 40Km, single-mode 60 Km,

single-mode 80Km,single-mode 100Km, single-mode 120Km Vibration characteristic: Satisfies G.742 and the G.823 standard

E1 interface

Interface code: HDB3 code

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Line speed: 2.048Mbp/S ±50ppm Interface standard: ITU-T G 703

Interface impedance: 75Ω /unbalanced or 120 Ω / balanced

Interface characteristic: supports rack (19 inches, 6U high), can reach up to 24 directions

◆ 10/100M Base-T interface:

Interface rate: 10/100Mbps

Interface characteristic: satisfies IEEE802.3, IEEE802.1Q

Connector: RJ45

Working condition:

Input voltage: AC220V; AC 110V; DC-48V; DC+24V

Power consumption: ≤5W

Operating temperature: $0^{\circ}\text{C} \sim 50^{\circ}\text{C}$ Storing temperature: $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$

Relative humidity: 95 %

Dimension

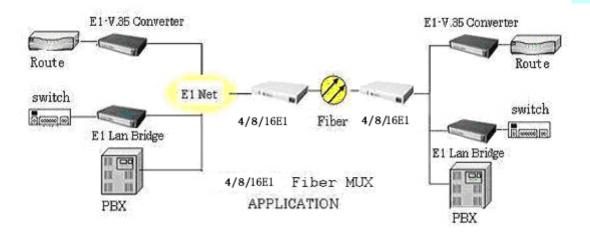
19inch rackmount Type:433 mm (L) ×138mm (W) × 44 mm (H)

regular Ordering information:

FMO-480/AC 75 Ω /120 Ω , ,AC220V FMO-480/DC 75 Ω /120 Ω , DC48V

FMO-480-ETH/AC 75 Ω /120 Ω , dual fiber, AC220V FMO-480-ETH/DC 75 Ω /120 Ω , dual fiber, DC48V

Application



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