

OP-4ETH*8VO

Fiber Multiplexers for Ethernet and Voice

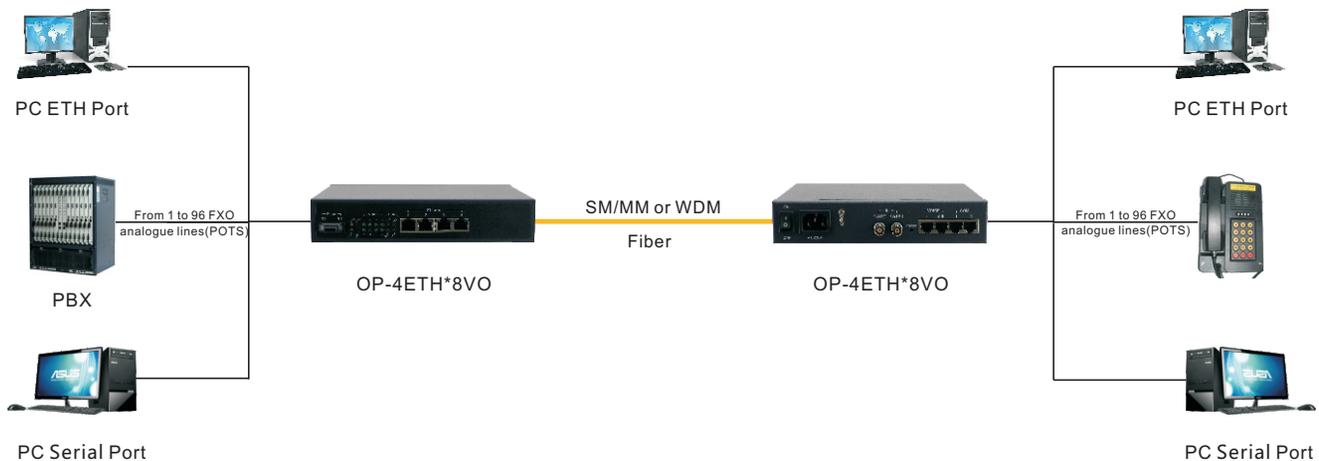


- > Web-based configuration
- > Up to 8 FXS/FXO and full bandwidth 100M Ethernet traffic multiplexed into fiber optic uplink
- > Support caller ID feature and reverse polarity billing functions
- > 2 channel of RS232/485
- > -48VDC or 220VAC flexible power inputs

Overview

OP-4FE+8VO Fiber Multiplexer Series provides a simple and cost-effective solution for 100M Ethernet, as well as 2 RS232/485.

Typical Applications



In private networks, Optical Multiplexer shares services such as FXS/FXO, RS232/RS485, Ethernet, in P2P topologies over fiber. 8 FXS/FXO Optical Multiplexer establishes TDM and Ethernet connectivity between the remote branches and headquarters for educational, financial, military sectors.

Specifications

Fiber Interface

- Number of Ports: 1
- Optical wavelength : 850/1310nm for multi-mode fiber, 1310/1550nm for single-mode fiber
- Transmission distance: 20-120Km
- Fiber Optic Interface Type: FC/SC
- Data Rate: 150 Mb/s
- Typical output power
single mode 1310/1550nm: ≥ -8 dBm
multi-mode 850nm: ≥ -18 dBm
multi-mode 1310nm: ≥ -25 dBm
- Receiver Sensitivity: ≤ -34 dBm

Fast Ethernet Interface

- Number of Ports: 4
- Interface Type : 10/100 Mbps, auto-negotiation, full/halfduplex, flowcontrol, MDI/MDX crossover
- Compliance: IEEE 802.3, 802.3u and 802.1p&q
- Max Frame Size: 2047
- Connector: RJ-45
- Electrical Cable Type: Cat.5

Management Ports

- In-of-Band Ethernet Management
Port Interface: 10/100BaseT
Connector: RJ-45
- Console Port
Connector: RJ-45
Interface standard: RS-232
Data rate: 115.2 kbps

Voice(FXS/FXO) Interface

- Number of Ports: 2/4/8
- Ports Type: RJ45
- Second-tier AC input impedance: 200+680//104 Ω (three components)
- Return Loss: 40dB
- Relay Interface (FXO): Connected to PBX
Ringing voltage: 35~90V(adjustable)
Ringing frequency: 15 ~ 45HZ(adjustable)
- User Interface (FXS): Connected to Phone
Loop Resistance of Subscriber Line: ≥ 1 K Ω (including the phone)
Ringing voltage-peak: 50~90V(adjustable)
Ringing frequency: 15~ 45 HZ(adjustable)
Supply voltage: 32 ~ 52V (adjustable)

Environmental Limits

- Operating Temperature: 0 to 50°C
- Storage Temperature: -40 to 85°C
- Ambient Relative Humidity: 5 to 95% (non-condensing)

Power Requirements

- Input Voltage:
AC: 100-240VAC($\pm 10\%$), 50/60Hz
DC: -48VDC(36-72VDC)
- Power Consumption: <30 watts

Physical Characteristics

- Housing: Metal
- Weight: 1.0kg
- Dimensions: 210 x 143 x 41mm

Ordering Information

Type	Function Description
OP-4Eth+8Vo-O/S-AC-T	8FXS/FXO and Fast Ethernet over Fiber Optical Multiplexer; 100~240VAC
OP-4Eth+8Vo-O/S-D48-T	8FXS/FXO and Fast Ethernet over Fiber Optical Multiplexer; 36~72VDC
OP-4Eth+4Vo-O/S-AC-T	4FXS/FXO and Fast Ethernet over Fiber Optical Multiplexer; 100~240VAC
OP-4Eth+4Vo-O/S-D48-T	4FXS/FXO and Fast Ethernet over Fiber Optical Multiplexer; 36~72VDC
OP-4Eth+2Vo-O/S-AC-T	2FXS/FXO and Fast Ethernet over Fiber Optical Multiplexer; 100~240VAC
OP-4Eth+2Vo-O/S-D48-T	2FXS/FXO and Fast Ethernet over Fiber Optical Multiplexer; 36~72VDC
OP-4Eth+1Vo-O/S-AC-T	1FXS/FXO and Fast Ethernet over Fiber Optical Multiplexer; 100~240VAC
OP-4Eth+1Vo-O/S-D48-T	1FXS/FXO and Fast Ethernet over Fiber Optical Multiplexer; 36~72VDC