

# Synergy Telecom P Ltd.

## Ethernet Fiber Modem



### Detailed description :

#### Overview

Ethernet Fiber Modem provides 64K~2M bandwidth data transmission channel for Ethernet over fiber optic cable, it is suitable for many situations, such as LAN expansion, networks isolation, WAN access, it can connect Ethernet to telecom transmission network, special network or WAN.

#### Features

- ◆ Fully compatible with IEEE 802.3 VLAN and over long-distance frame transmission
- ◆ DHCP packet filtering function can be enabled/disabled
- ◆ Inside 32Kbyte MAC address memory space in the device, it can be learn MAC address and refresh the list automatically
- ◆ Inside up to 16Mbit register, features high data store-and-forward capability
- ◆ Offer an Ethernet interface 10/100M, full/half duplex auto-negotiation
- ◆ Data rate  $N \times 64\text{kbps}$  ( $N=1 \sim 32$ ) is adjustable

- ◆ Two clock modes are selectable
- ◆ Ethernet port can transmit VLAN tag
- ◆ Support MDI/MDI-X Ethernet interface modes
- ◆ Support VLAN function of interface
- ◆ The circuit is designed simply, the device works steadily

## Specifications

### 1、 Ethernet Port

Interface: 10/100Base-T

Electric characteristic: comply with IEEE 802.3 standard

Data rate of interface: 10/100M auto-negotiation

Connector: RJ-45 interface

### 2、 Optical port

Data rate: N×64Kbps (N=1~32)

Wavelength: 1310nm/1550nm

Transmission distance: 40km/60km/80km/120km (selectable)

Line code: 1B1C

Output power : >-12dbm

Receiver mode: PINFET

Connector: FC, SC, ST

Degree of receive: : <-36dbm

Light type: LD

Fiber connector: FC(standard)/SC(selectable)

Fiber interface: dual-strand(standard)/single-strand(selectable)

### 3、 Clock Mode Internal clock (default)/ Line clock

### 4、 Power Supply Voltage: AC 220V / DC- 48V

### 5、 Power consumption: ≤5W

### 6、 Environment Operating temperature: 0°C~50°C

### 7、 Storage temperature:- 40°C~+ 70°C

### 8、 Relative humidity: 5%~95%, non condensation

### 9、 Weight 0.4Kg

### 10、 Size: 212mm(W)×150mm(L)×38mm(H)

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