

Overview

This device provides 1-4*E1 interface, 1-4*10M/100M Ethernet interface (Wire Speed 100M) and 2 expansion interface. 4* Ethernet interface is switch interface, can support VLAN. 2 expansion interface can be used as the transmission channel of RS232/RS485/RS422 asynchronous data. It is very flexible. It has alarm function. The work is reliable, stable, and low power consumption, high integration, small size.

Product Photo



75ohm E1



Features

- Based on self -copyright IC
- Modular wide dynamic optical detector
- Ethernet (Line Speed 100M) interface rate is 10M/100M, half/full duplex Auto-Nego
- E1 interface comply with G.703, adopts digital clock recovery and smooth phase-lock technology
- Uses standard 2 wire telephone (non-telephone handles) set as engineering order-wire hotline(optional)
- Provide 2 expansion interface can be used as the transmission channel of RS232/RS485/RS422 asynchronous data

- When optical lose signal, it can detect the remote device is power off or fiber is disconnected, and indicates alarm by LED
- The local device can view the remote device working condition
- Provide command the remote interface Loop Back, ease line maintenance
- The transmission distance is up to 2-120Km without interruption
- AC 220V, DC-48V, DC24V can be optional
- DC-48V/DC24V power supply polarity detection function, Polarity-Free

Parameters

◆ Fiber

Multi-mode Fiber

50/125um, 62.5/125um,

Maximum transmission distance: 5Km @ 62.5 / 125um multi mode fiber,attenuation (3dbm/km)

Wave Length: 820nm

Transmitting power: -12dBm (Min) ~-9dBm (Max)

Receiver sensitivity: -28dBm (Min)

Link budget: 16dBm

Single-mode Fiber

8/125um, 9/125um

Maximum transmission distance: 40Km

Transmission distance: 40Km @ 9 / 125um single mode fiber, attenuation (0.35dbm/km)

Wave Length: 1310nm

Transmitting power: -9dBm (Min) ~-8dBm (Max)

Receiver sensitivity: -27dBm (Min)

Link budget: 18dBm

◆ E1 Interface

Interface Standard: comply with protocol G.703;
 Interface Rate: $n*64\text{Kbps} \pm 50\text{ppm}$;
 Interface Code: HDB3;
 E1 Impedance: 75Ω (unbalance), 120Ω (balance);
 Jitter tolerance: In accord with protocol G.742 and G.823
 Allowed Attenuation: 0~6dBm

◆ Ethernet interface(10/100M)

Interface rate: 10/100 Mbps, half/full duplex auto-negotiation
 Interface Standard: Compatible with IEEE 802.3, IEEE 802.1Q (VLAN)
 MAC Address Capability: 4096
 Connector: RJ45, support Auto-MDIX

◆ Working environment

Working temperature: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$
 Working Humidity: 5%~95 % (no condensation)
 Storage temperature: $-40^{\circ}\text{C} \sim 80^{\circ}\text{C}$
 Storage Humidity: 5%~95 % (no condensation)

Specifications

Model	Model Number:FCP-E4F4
Functional Description	4E1+4FE PDH , order wire phone , 19"inch 1U , (Standard telephone interface, non-telephone handles) CONSOLE, SNMP managed optional
Port Description	One optical port, 4 E1 interface (75/120 ohms),4* FE Ethernet interface One Console interface,one SNMP interface , 2 expansion interface, one engineering order-wire telephone interface
Power	Power supply: AC180V ~ 260V ; DC -48V ; DC +24V Power consumption: $\leq 10\text{W}$
Dimension	Product Size: 19 inch 1U 483X138X44mm(WXDXH)

Weight	19inch 2.3KG
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application :

