



16E1+4FE PDH Multiplexer

OP-PDH-16E1+4FE



Shenzhen Optostar Optoelectronics Co., Ltd

2013. 09 (Version 2)

Overview

OP-PDH-16E1+4FE provides 1-16Channel E1 interface, 1-4Channel 10M/100M Ethernet interface (Line Rate 100M) and 2 expansion interface. 4Channel Ethernet interface is switch interface, can support VLAN. 1 expansion interface can be used as the transmission channel of RS232/RS485/RS422 asynchronous data, voice signal, 2/4 line E&M audio signal, switch signal, Ethernet signal (Bandwidth 2M). It is very flexible. It has alarm function. The work is reliable, stable, and low power consumption, high integration, small size

Product Features

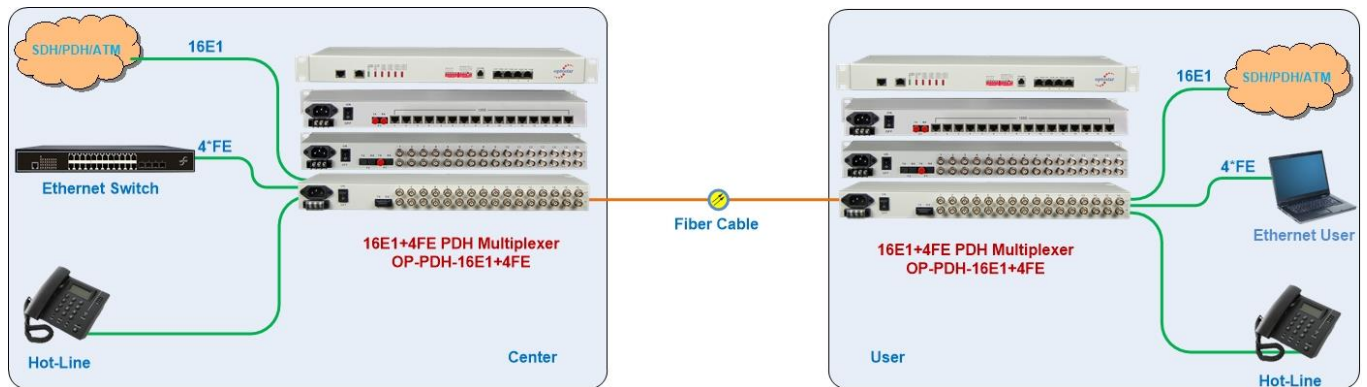
- Based on self -copyright IC
- Modular wide dynamic optical detector
- Ethernet interface rate is 10M/100M, half/full duplex auto- adaptable
- E1 interface comply with G.703, adopts digital clock recovery and smooth phase-lock technology
- 1Channel PCM digital business phone (optional)
- When optical 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

Technical Parameter

OP-PDH-16E1+4FE 16E1+4FE PDH Multiplexer	
Optical interface	
Multi-mode Fiber	
Diameter of fiber core	50/125um, 62.5/125um
Transmission distance	5Km @ 62.5 / 125um single mode fiber, attenuation (3dbm/km)Wave Length: 820nm
Transmitting power	-12dBm (Min) ~-9dBm (Max)
Receiver sensitivity	-28dBm (Min)
Link budget	16dBm
Connector	SC/FC
Single-mode Fiber	
Diameter of fiber core	8/125um, 9/125um
Transmission distance	40Km @ 9 / 125um single mode fiber, attenuation (0.35dbm/km)
Maximum transmission distance	40Km
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*64Kbps±50ppm
Interface Code	HDB3
E1 Impedance	75 Ω (unbalance), 120 Ω (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
Dimension	
Product Size:	19 inch 1U 485 X138 X45 mm(WXDXH)
Simple packaging:	522X198X82mm(WXDXH)
Piece Weight	3KG
Operation Environment	
Operating temperature	-10°C~50°C
Storing temperature	-40°C~+80°C
Working Humidity	5%~95 % (no condensation)
Storage Humidity	5%~95 % (no condensation)
No causticity and solvent, dust free, and no strong magnetic interference.	
Power	
Voltage	AC180V ~ 260V ; DC -48V ; DC +24V
Consumption	≤10W
Warranty	2 Year Warranty, Life-time Maintenance

Application



Order Information

Model	Description
OP-PDH-16E1+4FE	16E1+4FE PDH Multiplexer

Package include

No	Package List
1	16E1+4FE PDH Multiplexer
2	User Guide
3	Warranty Card

Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by OPTOSTAR before they become applicable to any particular order or contract. In accordance with the OPTOSTAR policy of continuous improvement specifications may change without notice.

The publication of information in this data sheet does not imply freedom from patent or other protective rights of OPTOSTAR or others. Further details are available from any OPTOSTAR sales representative.

Contact OPTOSTAR

Shenzhen Optostar Optoelectronics Co., Ltd

Address:A-14,Haide Building,the Intersection of Nanxin Road and Haide Second Road Nanshan District Shenzhen,China .

Tel: +86-755-26400198 +86-755-26400288 Fax: +86-755-26411001

Email: info@optostar.com.cn

Skype:ouyangroya

Web: www.optostar.com.cn