



4E1 PDH Multiplexer

OP-PDH-4E1



Shenzhen Optostar Optoelectronics Co., Ltd

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Overview

OP-PDH-4E1 4E1 PDH Multiplexer provides 1-4Channel E1 interface, 1Channel PCM digital hotline phone (optional). It is very flexible. It has alarm function. The work is reliable, stable, and low power consumption, high integration, small size.

Product Features

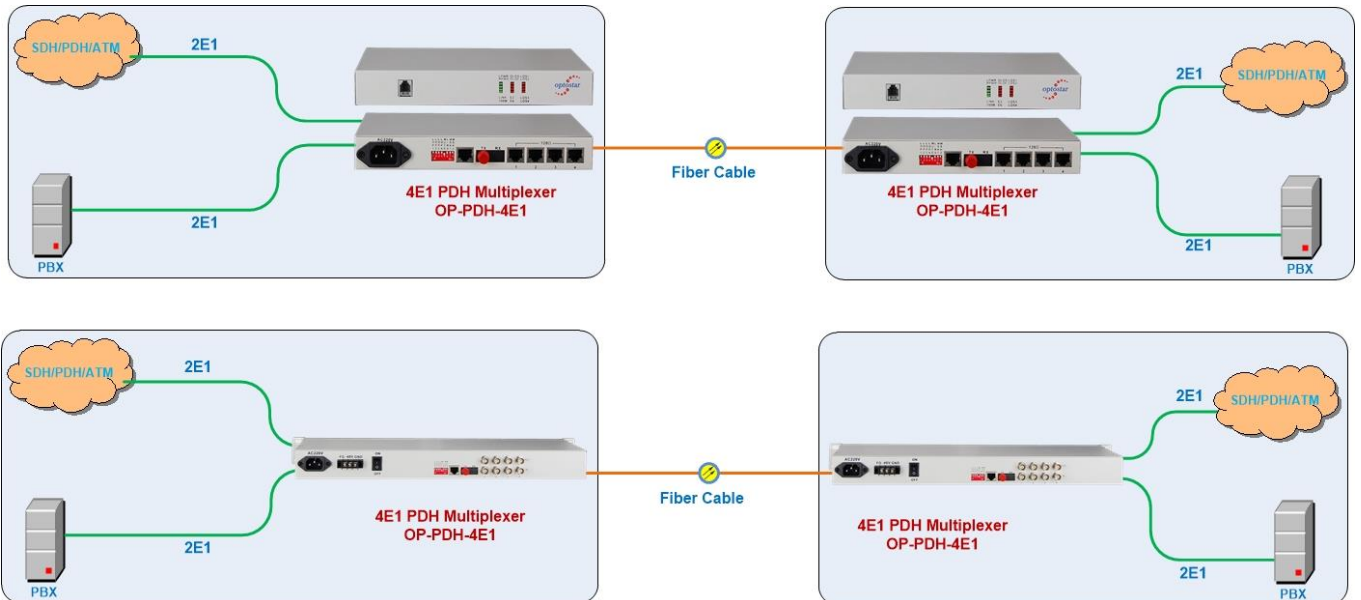
- Based on self -copyright IC
- Modular wide dynamic optical detector
- 1 Channel PCM digital business phone (optional)
- The device provides master optical fiber interface and backup optical fiber interface, Dual Optical Port backup function ensures that the work will never break (optional)
- E1 interface comply with G.703, adopts digital clock recovery and smooth phase-lock technology
- 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-4E1 4E1 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)
Wave Length	1310nm
Transmitting power	-9dBm (Min) ~-8dBm (Max)
Receiver sensitivity	-27dBm (Min)
Link budget	18dBm
E1 Interface	
Interface rate	n*64Kbps±50ppm
Interface Standard	comply with protocol G.703
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
Dimension	
Product Size: Mini Type	216X140X31mm(WXDXH)
Simple packaging:	274X193X84mm(WXDXH)
Piece Weight	1.25KG
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-4E1	4E1 PDH Multiplexer

Package include

No	Package List
1	4E1 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.

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