21E1+8FE SDH Multiplexer

OP-SDH-21E1+8FE

Shenzhen Optostar Optoelectronics Co., Ltd

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Overview

OP-SDH-21E1+8FE 21E1+8FE SDH Multiplexer is a new generation multi-services transmission and access device based on SDH technologies. The function models design adopts G.783 suggestions and provides complete monitor, access, protection, network management and Ethernet access function. SDH155 can provide 2 STM-1 uplink interfaces, 21 E1 interfaces and 8 10/100BaseT Ethernet interfaces. It adopts modular structure design for flexible service configurations according to different requirements. It can be used as service access and transmission devices on access layer in the data traffic networks, adopts SNMP network management platform which provides grades powerful management based on Service/Client end mode.
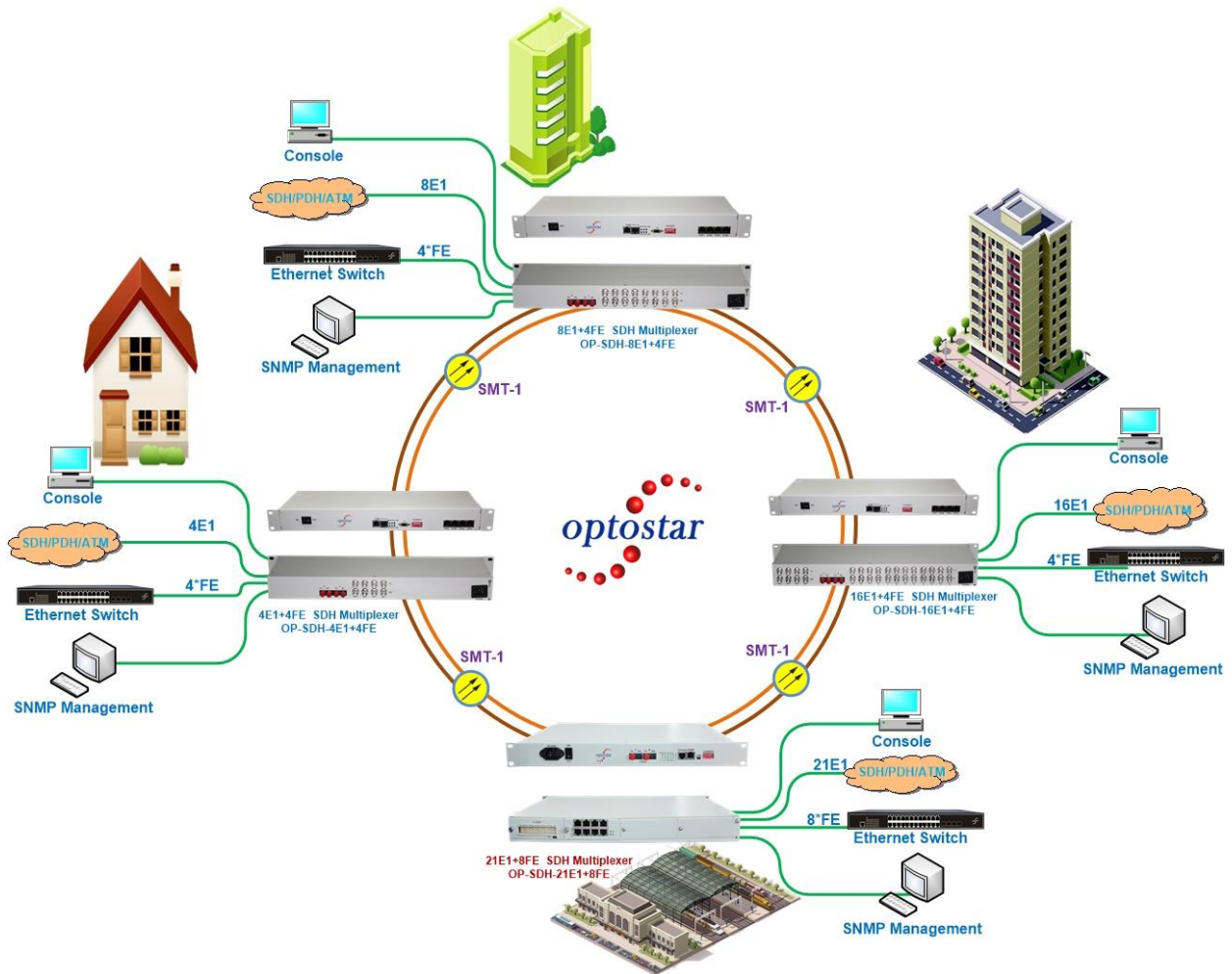
Prduct Features

➢ High-integration, modularized design.

➢ Provide 2 STM-1 uplink interfaces.

➢ Provide 1+1 channel protection, realize fast protection switching.

➢ 21 E1 interfaces and 8 10/100BaseT Ethernet interfaces.

➢ Complete clock function, provide clock tracking and holding functions.

➢ 2.048Mbit/s external synchronous signal input/output.

➢ Clock resource can select line clock, external clock or free-run.

➢ Via SNMP network management system, user can do operations for device and network formed by it and the operations include configuration, maintenance and monitor.

➢ Network management can realize five major functions included: configuration, alarm, performance, maintenance and security which satisfy with ITU-T suggestions.

➢ Provide Console interface, support local management via serial port on PC.

➢ For Ethernet service, GFP and LAPS technology is used, have LCAS function.

➢ The maximal Ethernet band is 100M.

➢ Supports hot-plug.

➢ It can be used as TM or ADM.

Technical Parameter

OP-SDH-21E1+8FE 21E1+8FE SDH Multiplexer	
Optical interface	
Interface Standard	Complies with ITU-T G.957/G.958
Port Number	2
Transmission distance	0～120Km for option
Wave Length	1310nm
Rate	155.520Mb/s±4.6ppm
Fiber type	ITU-T G.652/G.653, SM
Receiving sensitivity	<-36 (BER<10)
Connector	SC/FC
E1 Interface	
Interface rate	2048Kb/s±50ppm
Port Number	21
Interface Standard	comply with protocol G.703
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
Port Number	8
Interface Standard	Compatible with IEEE 802.3, IEEE 802.1Q (VLAN)
MAC Address Capability	can learn 1024 MAC address
Connector	RJ45, support Auto-MDIX
Ethernet total cache	64MBits SDRAM
Dimension	
Product Size:	1U/19 inch: 483*126*44mm(WXDXH)
Simple packaging:	510X140X56mm(WXDXH)

Piece Weight	3KG
Operation Environment	
Operating temperature	-0°C~50°C
Storing temperature	-20°C~70°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	≤7W
Warranty	2 Year Warranty, Life-time Maintenance

Application

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Order Information

Model	Description
OP-SDH-21E1+8FE	21E1+8FE SDH Multiplexer

Package include

No	Package List
1	21E1+8FE SDH 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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