

AT-OLT-480T

16E1+ 4FE PDH Fiber Multiplexer

Overview

This device provides 1-16*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



Features

- Based on self-copyright IC
- Modular wide dynamic optical detector
- Provide Console manage interface (RS232)
- Provide two fiber interface 1+ 1 protect (APS) function ,and ALS (Automatic Laser Shutdown/Reduction) function
- Ethernet interface rate is 10M/100M, half/full duplex Auto-Nego
- Ethernet package size support 1916 byte and 4 Ethernet port could be set separately, and ethernet bandwidth can be setting base on multiple of 32K
- 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-

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wire hotline(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, support local E1 Loop Back function, support E1 LOS and AIS alarm ,ease line maintenance
- The transmission distance is up to 2~120Km without interruption
- Support SNMP manager (SNMP agent inside)
- AC 220V, DC-48V, DC24V can be optional
- DC-48V/DC24V power supply polarity detection function, Polarity-Free

: Parameters

◆ Fiber

Optical port: 1 , 2

Optical Fiber: Single/Dual fiber

Fiber interface: FC/SC/ST/LC(SFP)

Wavelength: 850nm/1310nm Multimode; 1310nm/1550nm Single mode

Relay-free transmission distance: 20~120Km

Typical transmit power:

Single mode1310/1550nm: ≥-9dB

Multimode850nm: -18dBm

Multimode1310nm: -25dBm

Receive sensitivity range: -28dBm~- 40dBm

Physical Interface: RJ45 Support Auto-MDIX

◆ E1 Interface

Interface Standard: comply with protocol G.703;

Interface Rate: 2048Kbps±50ppm;

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

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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°C ~ 50°C

Working Humidity: 5%~95 % (no condensation)

Storage temperature: -40°C ~ 80°C

Storage Humidity: 5%~95 % (no condensation)

Specifications

Model	AT-OLT-480T
Functional Description	16E1+ 4FE PDH ,19"inch 1U, Optional(hotline telephone, Console+ SNMP,1+ 1 fiber back up)
Port Description	1+ 1 optical port, 16 E1 interfaces (75/120 ohms), 4 FE interfaces,1*RS232 Console interface,1*SNMP Ethernet interface, one engineering order-wire telephone interface
Power	Power supply: AC180V ~ 260V ; DC -48V ; DC + 24V Power consumption: ≤10W
Dimension	Product Size: 19 inch 1U 483X138X45mm(WXDXH)
Weight	3KG

