MODEL NO: AT-OLT-240T

8E1+4FE PDH Multiplexer

: Overview

This device provides 1-8*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

120 ohm 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 single 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*64Kbps±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

Interface Standard: Compatible with IEEE 802.3, IEEE 802.1Q (VLAN)

MAC Address Capability: 4096

Connector: RJ45, support Auto-MDIX

◆ Working environment

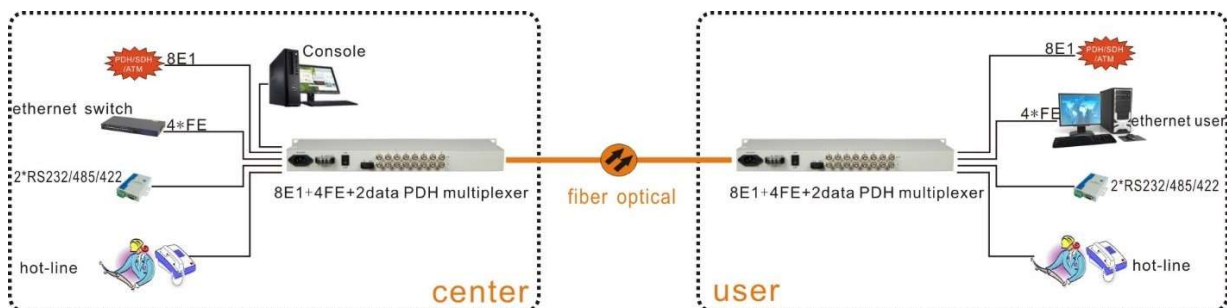|	
Working temperature:	-10°C ~ 50°C
Working Humidity:	5%~95 % (no condensation)
Storage temperature:	-40°C ~ 80°C
Storage Humidity:	5%~95 % (no condensation)

Specifications

Model	AT-OLT-240T
Functional Description	8E1+4FE PDH，order wire phone， 19''inch 1U，Console interface
Port Description	One optical port，8 E1 interface (75/120 ohms),4* FE Ethernet interface One Console interface, 2 expansion 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	2.5KG

Application