

## **AT-OLT16T 16FXO/FXS+4FE**



**ANDA Telecom Pvt. Ltd.**

Registered office : E-36, Amar Colony, Lajpat Nagar-IV, New Delhi - 110024, INDIA

Phone : +91 11 41323629, +91 95 302 57173

E-mail : [info@andatelecom.com](mailto:info@andatelecom.com)

URL : [www.andatelecomindia.com](http://www.andatelecomindia.com)

## 1 : Overview

This device is a kind of developed point to point transmission equipment based on our company PDH fiber transmission the special-use VLSI. This device provides 16 Channel EM2/4 1-4Channel E1 interface, 4Channel 10M/100M Ethernet interface (Line Speed 100M) and 1 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 has alarm function. The working is reliable, stable, and low power consumption, high integration, small size, ease of installation and maintenance.

## 2 : Features

- Based on self -copyright IC
- Modular wide dynamic optical detector
- 1-16 Channel voice access, supports caller ID feature and reverse polarity billing functions
- Support various sites mutual number allocation function
- Voice port supports FXO and FXS port, EM2/4 audio interface, FXO port docking with program-controlled switchboard, FXS port connected to the user's telephone
- E1 interface comply with G.703, adopts digital clock recovery and smooth phase-lock technology
- 4Channel Ethernet interface is switch interface, support VLAN
- Ethernet interface rate is 10M/100M, half/full duplex auto-adaptable
- 1Channel PCM digital business phone(optional)
- Provide 1 expansion interface, you can extend 1-2Channel asynchronous data, such as RS232/RS485/RS422/Manchester code; 1-4Channel switch ,1-2Channel E1(This device E1 channel is only up to 10)1-2Channel voice, two/four line audio and so on
- Have indicator light when the device is power-off or E1 line is broken or lose signal
- Can monitor the remote device work condition
- Can command the remote interface loopback to maintain the circuit
- Provide Console management interface to install easily
- The transmission distance is up to 2-120Km without interruption

**ANDA Telecom Pvt. Ltd.**

Registered office : E-36, Amar Colony, Lajpat Nagar-IV, New Delhi - 110024, INDIA

Phone : +91 11 41323629, +91 95 302 57173

E-mail : [Info@andatelecom.com](mailto:Info@andatelecom.com)

URL : [www.andatelecomindia.com](http://www.andatelecomindia.com)

- AC 220V, DC-48V, DC24V can be optional
- DC-48V/DC24V power has polarity automatic detection function, you can install the device without differentiation between positive and negative polarity.

### 3 : Parameters

#### ◆ Fiber

##### Multi-mode Fiber

50/125um, 62.5/125um,

Maximum transmission distance: 500-2KM@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: 10-120Km

Transmission distance: 10-1200KM@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: 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: 10/100Mbps, half/full duplex auto-negotiation

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

**ANDA Telecom Pvt. Ltd.**

Registered office : E-36, Amar Colony, Lajpat Nagar-IV, New Delhi - 110024, INDIA

Phone : +91 11 41323629, +91 95 302 57173

E-mail : [info@andatelecom.com](mailto:info@andatelecom.com)

URL : [www.andatelecomindia.com](http://www.andatelecomindia.com)



Turning Copper into Gold

MAC Address Capability: 4096

Connector: RJ45, support Auto-MDIX

◆ **FXS Phone Interface**

Ring voltage: 75V

Ring frequency: 25HZ

Two-line Impedance: 600 Ohm (pick up)

Return loss: 40 dB

◆ **FXO Switch Interface**

Ring detect voltage: 35V

Ring detection frequency: 17HZ-60HZ

Two-line Impedance: 600 Ohm (pick up)

Return loss: 40 dB

◆ **Power**

Power supply: AC160V ~ 260V; DC -48V;

Power consumption:  $\leq 7$ W

◆ **Working Environment**

Working temperature:  $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$

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

Storage temperature:  $-40^{\circ}\text{C} \sim 80^{\circ}\text{C}$

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

**ANDA Telecom Pvt. Ltd.**

Registered office : E-36, Amar Colony, Lajpat Nagar-IV, New Delhi - 110024, INDIA

Phone : +91 11 41323629, +91 95 302 57173

E-mail : [info@andatelecom.com](mailto:info@andatelecom.com)

URL : [www.andatelecomindia.com](http://www.andatelecomindia.com)