

MODEL NO: AT-OLT4E16OS2S

16FXO/FXS +4E1+4FE +4RS232/422/485 Fiber PDH Multiplexer

Overview

This device based on PDH Technology 16Channel telephone,1-4Channel E1 interface, 4Channel 10M/100M Ethernet interface (Wire Speed 100M) and 4 expansion interface. 4Channel Ethernet interface is switch interface, can support VLAN. 4 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 is very flexible.

Product Photo



Features

- Based on self -copyright IC
- E1 interface comply with G.703, adopts digital clock recovery and smooth phase-lock technology Voice port supports FXO and FXS port,
- Support FXO/FXS, EM2/4 audio, Magnet telephone Interface, FXO port docking with program-controlled switchboard, FXS port connected to the user's telephone;

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- 1~16channel Voice access, supports caller ID feature and reverse polarity billing functions
- Support Point to point allocation function
- Provide 4 expansion interface, you can extend 1~4Channel asynchronous data, such as RS232/RS485/RS422/Manchester code;1~4Channel voice, 1~8Channel switch or two/four-line audio and so on
- Ethernet interface supports10M/100M, half/full duplex auto- adaptable, support VLAN
- 4Channel Ethernet interface is switch interface, support VLAN, can set to 4 channel logical isolation
- Ethernet interface can support AUTO-MDIX (crossed line and sprightly connected line self-adaptable)
- Telephone interface with lightning protection, lightning reached IEC61000-4-5 Short circuit current wave 8 / 20 μ s, the peak output voltage 6KV open standards.
- The transmission distance is up to 2-120Km without interruption
- AC 220V, DC-48V, DC24V can be optional

Parameters

◆ Fiber

Optical port: 1 or 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:

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Turning Copper into Gold

Single mode1310/1550nm : $\geq -9\text{dB}$

Multimode850nm : -18dBm

Multimode1310nm : -25dBm

Receive sensitivity range : $-28\text{dBm} \sim -40\text{dBm}$

Physical Interface: RJ45 Support Auto-MDIX

◆ E1 Interface

Interface Standard:	comply with protocol G.703;
Interface Rate:	$n * 64\text{Kbps} \pm 50\text{ppm}$;
Interface Code:	HDB3;
E1 Impedance:	75Ω (unbalance), 120Ω (balance);
Jitter tolerance:	In accord with protocol G.742 and G.823
Allowed Attenuation:	$0 \sim 6\text{dBm}$

◆ 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

◆ FXS Phone Interface

Ring voltage:	75V
Ring frequency:	25HZ
Two-line Impedance:	600 Ohm (pick up)

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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

◆ EM 2/4 Line

AD: 0dB

DA: -3.5dB

Two/Four-line Impedance: 600 Ohm

Return loss: 20 dB

◆ 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-OLT4E16OS2S
Functional Description	16 * telephone PDH , 4E1 , 4* FE Ethernet Console or SNMP , Support 1U rackmount One or Two Fiber interface , 4*RS232/422/485
Power	Power supply: AC180V ~ 260V ; DC -48V ; DC +24V

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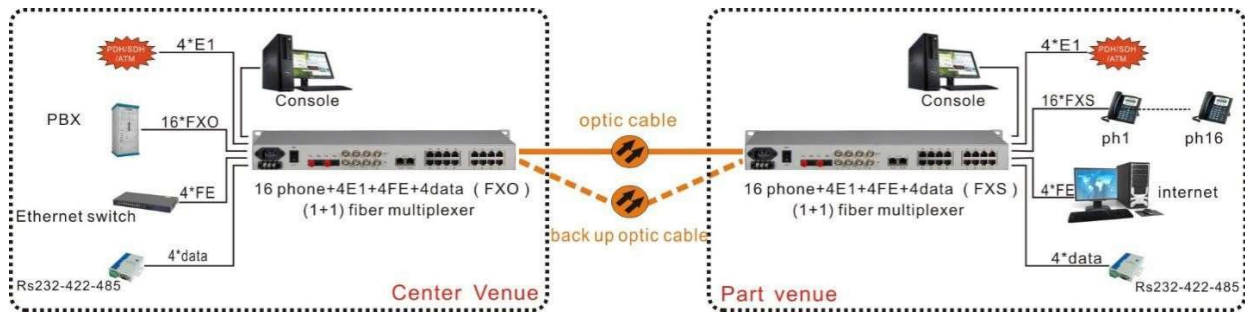
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	Power consumption: $\leq 10W$
Dimension	Product Size: 485X138X45mm(WXDXH) 19 1U
Weight	2.4KG

Application



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