Turning Copper into Gold

AT-OLT-4E8OS2S 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.

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

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- Have indicator light when the device is power-off or E1 line is broken or losesignal
- 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
- 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.

• Parameters

◆ Fiber SFP SLOT (Support SFP Module Multimode/Single mode)

Multi-mode Fiber/Single Mode Fiber

50/125um, 62.5/125um,

Maximum transmission distance: 500-2KM@62.5/125um Multi mode fiber,

Single-mode Fiber

8/125um, 9/125um

Maximum transmission distance: 10-120Km

Transmission distance: 10-1200KM@9/125um single mode single /Dual fiber,

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
Interface Type : RJ45/RJ48

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◆ Ethernet interface (10/100M)

Interface rate: 10/100Mbps, 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
VLAN : Port Isolation

◆ 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: ≤7W

◆ 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)

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