

TSM-OV3054 32Voice+4E1+4GE+4RS232 Fiber Multiplexer



Overview:

This device provides 32Channel telephone 1-4Channel E1 interface, 4Channel 1000M Ethernet interface (Wire speed 1000M) 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, it is very flexible.

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;
- 1~32channel Voice access, supports caller ID feature and reverse polarity billing functions
- Support various sites mutual number allocation function
- **Option:** 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 supports 1000M, 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 straightly connected line self-adaptable)
 - Telephone interface with lightning protection, lightning reached IEC61000-4-5 Short circuit current wave 8 / 20μs, 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:** SFP port (can use MM or SM fiber)

◆ 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(10/100/1000M):

Interface rate:	10/100/1000 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)
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)

Specification:

Model	TSM-OV3054
Functional Description	32 * telephone, 4E1, 4*1000 Mbps Ethernet, 1 optic port
Power	Power supply: AC180V ~ 260V ; DC -48V ; DC +24V Power consumption: ≤10W
Dimension	Product Size: 485X138X45mm(WXDXH) 19 1U
Weight	2.5KG

Application:



