



## TYPE: *Sepitam-32P4E14FE4D-T/R*

32ch\*Phone ,4ch\*E1 ,4ch\*Ethernet , 4ch bidirectional Data (4ch Rs232), Converter



### Overview :

This device provides 32Channel 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.

### 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;
- ◆ 1~30channel Voice access, supports caller ID feature and reverse polarity billing functions
- ◆ Support various sites mutual number 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 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

Number of Fiber Ports: 1

Optical Wavelength: 850nm/1310nm for multi- mode optical , 1310nm/1550nm for single-mode optical interface



Fiber Core: Single/Dual fiber core

Connector: FC/SC/ST/LC(SFP)

Distance : 20km-120km

Typical output power:

single mode 1310/1550nm: >-9dBm

Receiver Sensitivity: -28dBm~- 40dBm

### **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

### **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)

## Specifications:

Model	Sepitam-32P4E14FE4D-T/R
Functional Description	32 * telephone, 4*E1, 4*100 Mbps Ethernet, Console or SNMP, Support 6U rack mount, Two Fiber interface, 4*RS232/422/485
Power	Power supply: AC180V ~ 260V; DC - 48V; DC +24V Power consumption: ≤10W
Dimension	Product Size: 485x138x45mm(WxDxH) 19 1U
Weight	2.5KG



# Technical Specification of Sepitam-32P4E14FE4D-T/R

شرکت سپیتام



[www.Sepitam.com](http://www.Sepitam.com)