



**SEPITAM**

ONE STEP SMARTER

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**SEGITAM**  
**32P4E14FE4bD-T/R**



TYPE:

## Sepitam-32P4E14FE4bD-T/R

In addition, Sepitam's fiber optic and Ethernet converters are engineered to support the seamless transmission of various services, including FXO/FXS, E1, audio, analog video, HDMI, USB, and serial data. Whether deployed over fiber optic or Ethernet networks, our solutions ensure reliable, high-quality communication for a wide range of applications.



- ▶ TYPE: Sepitam-32P4E14FE4bD-T/R
- ▶ Technical Specification of Sepitam-32P4E14FE4bD-T/R
- ▶ 32ch\*Phone, 4ch\*E1, 4ch\*Ethernet, 4ch\*bidirectional Data (RS232/422/485) Fiber optic Converter

## ▶ Description:

This device provides 32Channel telephone 1-4Channel E1 interface, 4Channel 10/100Mbps 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.

## ▶ Properties:

- 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 / 20 $\mu$ 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

## ► Specifications:

Model	Sepitam-32P4E14FE4bD-T/R
Functional Description	32 * telephone, 4*E1, 4*10/100Mbps Ethernet, Console or SNMP, Support 6U rack mount, Two Fiber interface, 4*RS232/422/485
<b>Fiber</b>	
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
<b>E1 Interface</b>	
Interface Standard	comply with protocol G.703
Interface Rate	n*64Kbps $\pm$ 50ppm

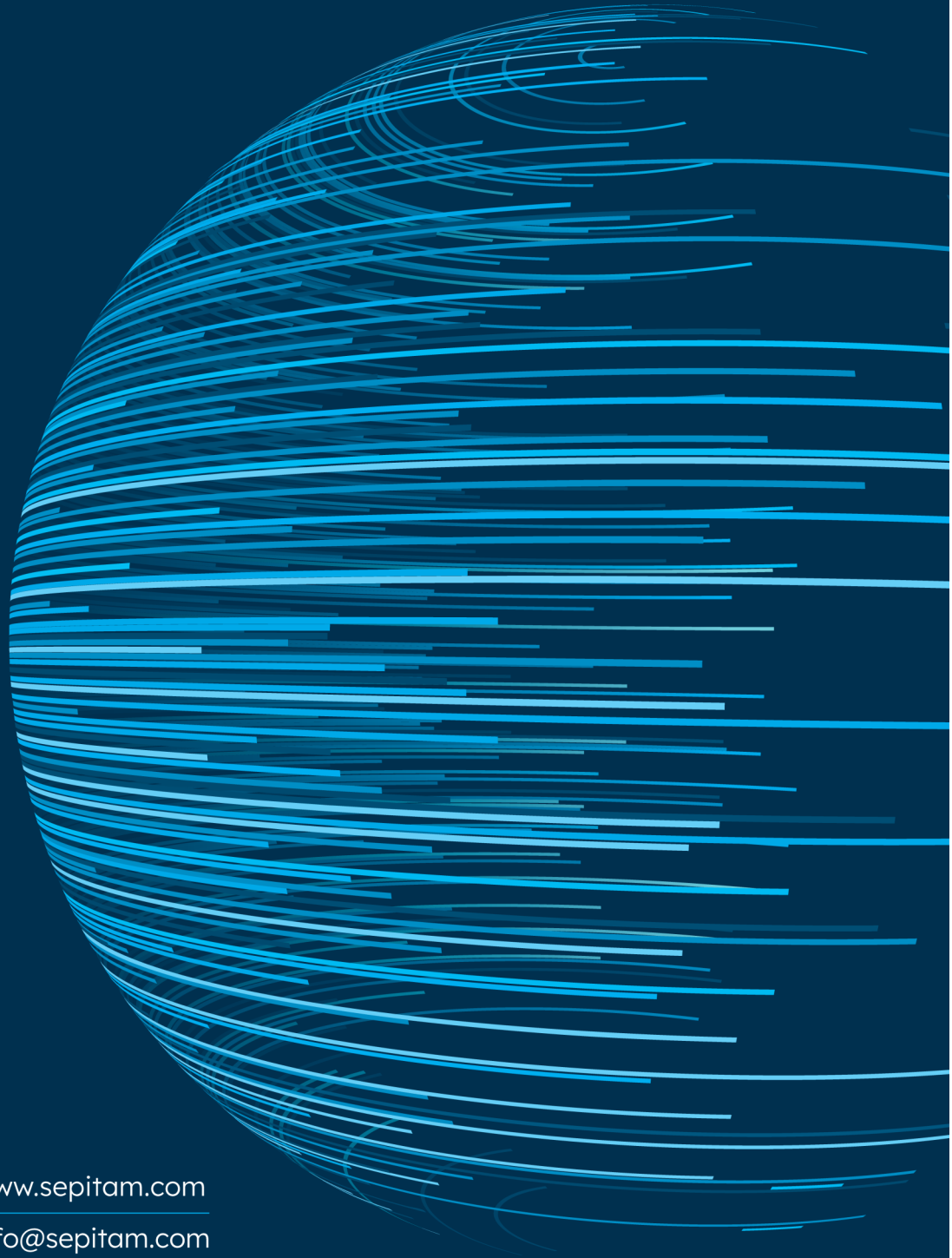


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Interface Code	HDB3
E1 Impedance	75Ω (unbalance), 120Ω (balance);
Jitter tolerance	In accord with protocol G.742 and G.823
Allowed Attenuation	0~6dBm
<b>Ethernet interface(10/100M)</b>	
Interface rate	10/100 Mbps, half/full duplex auto-negotiation
Interface Standard	Compatible with IEEE 802.3, IEEE 802.1Q (VLAN)
MAC Address Capability	4096
Connector	RJ45, support Auto-MDIX
<b>FXS Phone Interface</b>	
Ring voltag	75V
Ring frequency	25HZ
Two-line Impedance	600 Ohm (pick up)
Return loss	40 dB
<b>FXO Switch Interface</b>	
Ring voltag	35V
Ring frequency	17HZ -60HZ
Two-line Impedance	600 Ohm (pick up)



Model	Sepitam-32P4E14FE4bD-T/R
Return loss	40 dB
<b>EM 2/4 Line</b>	
AD	0dB
DA	-3.5dB
Two/Four-line Impedance	600 Ohm
Return loss	20dB
<b>Working environment</b>	
<b>Working temperature</b>	
Working Humidity	5%~95 % (no condensation)
Storage temperature	-40°C ~ 80°C
Power	Power supply: AC180V ~ 260V; DC - 48V; DC +24V Power consumption: ≤10W
Dimension	485x138x45mm(WxDxH) 19 1U
Weight	2.5KG

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