



**SEPITAM**

ONE STEP SMARTER

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

**SEPLITAM**  
**4EM1FE-E1**



TYPE:

## Sepitam-4EM1FE-E1-T/R

Sepitam fiber optic, Ethernet and E1 converters are engineered to support the seamless transmission of various services, including FXO/FXS, 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-4EM1FE-E1-T/R
- ▶ Technical Specification of Sepitam-4EM1FE-E1-T/R
- ▶ 4\*EM & 1\*10/100Base-T RJ45 ports on E1 Converter

## ▶ Description:

This equipment provides an E1 access, 1~4 channel voice outputs and 1\*10/100Mbps ethernet optional (bandwidth 2Mbps), The electricity part is digital circuit. The superiority of this product is reliable work and stable with high integration and lower energy consumption. Rack mount 1U size for easy install and maintenance. Most clients of telecom operators rent E1 line for Ethernet networking, while this equipment could supply more telephone lines on E1 and free call between head office and branch.

## ▶ Properties:

- Based on proprietary integrated circuits;
- Alarm status can be monitored on the end;
- E1 interface complies with G.703, all-digital clock recovery and smooth phase-locked technology;
- Support FXO/FXS, EM2/4 audio, Magnet telephone Interface, FXO port docking with program-controlled switchboard, FXS port connected to the user's telephone
- FXO port and PBX docking port and the user is connected to FXS telephone;
- Ethernet interface 10/100Mbps, full/half duplex fully adaptive, support VLAN division;
- Each Ethernet ports support Auto-MDIX (cross / straight cable adaptation);
- 1 line voice access, support caller ID function and reverse polarity billing functions;
- Support Telephone Number mutual function of each site;
- E1 signal can be detected as a barrier to the end device is lost or shut E1;
- Provide two kinds of clock ways: E1 master clock, E1 line clock;
- Provides three kinds of loopback: E1 local loopback (ANA), the Ethernet interface to the remote loopback (DIG), command peer Ethernet interface to the local loop (REM);



- There are pseudo-random code test function (PATT), to facilitate the opening line, which can be when one of E1 BERT to use;
- E1 can support  $N * 64k$  ( $N = 1-32$ ) rate, that rate is adjustable from 64K-2048K;
- Multiple power mode options: AC220V, DC-48V / DC24V, etc;
- Telephone interface with lightning protection, lightning reached IEC61000-4-5, Short circuit current wave 8/20 $\mu$ s, open-peak output voltage 6KV standards;

## ► Specifications:

Model	Sepitam-4EM1FE-E1-T/R
Interfaces	1*E1 interface; 4*Voice; 1~4*FE; 2 expansion interface Console;
<b>E1 Interface</b>	
Interface Standard	comply with protocol G.703
Interface Rate	$n*64Kbps \pm 50ppm$
Interface Code	HDB3
E1 Impedance	75 $\Omega$ (unbalance), 120 $\Omega$ (balance);
Jitter tolerance	In accord with protocol G.742 and G.823
Allowed Attenuation	0~6dBm
<b>FXS Phone Interface</b>	
Ring voltage	75V
Ring frequency	25HZ
Two-line Impedance	600 Ohm (pick up)

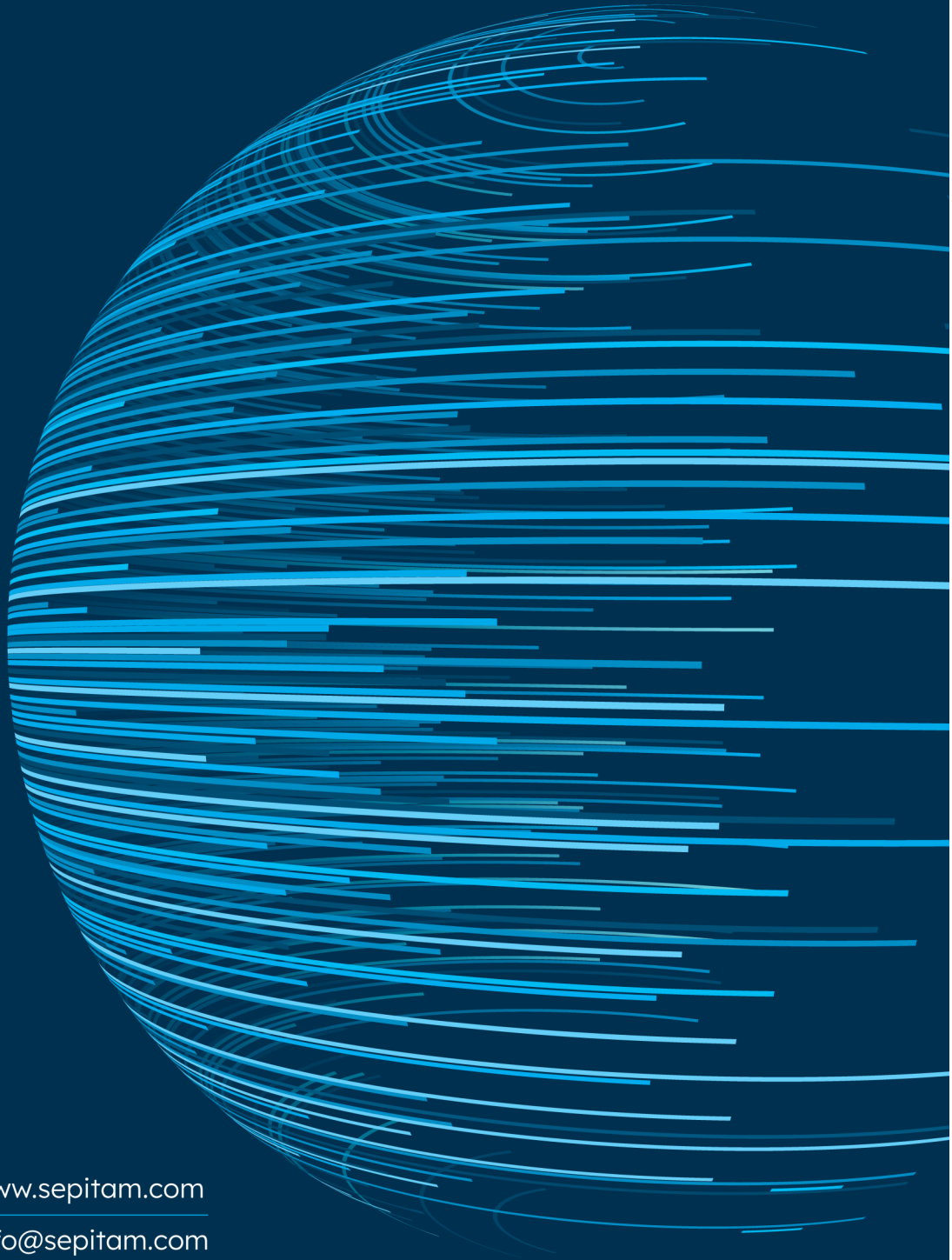


Model	Sepitam-4EM1FE-E1-T/R
Return loss	40 dB
<b>FXO Switch Interface</b>	
Ring detect voltage	35V
Ring detection frequency	17HZ-60HZ
Two-line Impedance	600 Ohm (pick up)
Return loss	60 dB
<b>EM 2/4 Line</b>	
AD	0 dB
DA	0 dB
Two/Four-line Impedance	600 Ohm
Return loss	20 dB
<b>Ethernet interface(10/100M)</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>Working environment</b>	
Working temperature	-10°C ~ 50°C



Model	Sepitam-4EM1FE-E1-T/R
Working Humidity	5%~95 % (no condensation)
Storage temperature	-40°C ~ 80°C
Storage Humidity	5%~95 % (no condensation)
Power	Power supply: AC180V ~ 260V; DC - 48V; DC +24V Power consumption: ≤10W
Dimensions	483 (Length) X138 (Width) X44 (height) mm; 19inch 1U
Weight	2.5KG

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