



TYPE: Sepitam-4EM1FE-E1-T/R

4*ch E&M and 1*ch Fast Ethernet over e1



Overview :

This equipment provides an E1 access, 1~4 channel voice outputs and 1*10/100M ethernet optional (bandwidth 2M) , 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.

Features :

- ◆ 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 10M/100M, full/half duplex fully adaptive, support VLAN division;
- ◆ Each Ethernet ports support Auto-MDIX (cross / straight cable adaptation);
- ◆ 1line 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



- ◆ 1line 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 μ s, open-peak output voltage 6KV standards

Parameters :

• E1 Interface

Interface Standard: comply with protocol G.703;

Interface Rate: $n * 64Kbps \pm 50ppm$;

Interface Code: HDB3;

E1 Impedance: 75 Ω (unbalance), 120 Ω (balance);

Jitter tolerance: In accord with protocol G.742 and G.823

Allowed Attenuation: 0~6dBm

• 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: 0dB

Two/Four-line Impedance: 600 Ohm

Return loss: 20 dB

- **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

- **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-4EM1FE-E1-T/R
Functional Description	One E1 interface; 4*Voice; 4*FE; 2 expansion interface Console,19"inch 1U
Power	Power supply: AC180V ~ 260V; DC - 48V; DC +24V Power consumption: ≤10W
Dimension	Product Size: 19inch 1U 483 (Length) X138 (Width) X44 (height) mm
Weight	2.5KG



Technical Specification of Sepitam-4EM1FE-E1-T/R

شرکت سپیتام



www.Sepitam.com