



TYPE: Sepitam-16P4E14FE4D-T/R

16ch*Phone ,4ch*E1 ,4ch*Ethernet , 4ch bidirectional Data (Rs232/Rs485/Rs422), Converter



Overview :

This device provides 16Channel 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;
- ◆ 1~16channel 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 supports 10M/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

Optical port:	1 , 2
Optical Fiber:	Single/Dual fiber
Fiber interface:	FC/SC/ST/LC(SFP)
Wavelength:	850nm/1310nm Multimode; 1310nm/1550nm Single mode
Relay-free transmission distance:	20~120Km
Typical transmit power:	
Single mode1310/1550nm:	$\geq -9\text{dB}$
Multimode850nm:	-18dBm
Multimode1310nm:	-25dBm
Receive sensitivity range:	-28dBm~- 40dBm
Physical Interface:	RJ45 Support Auto-MDIX

• E1 Interface

Interface Standard:	comply with protocol G.703;
Interface Rate:	$n*64\text{Kbps} \pm 50\text{ppm}$;
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

• 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-16P4E14FE4D-T/R
Functional Description	16* telephone, 4E1, 4* FE Ethernet, Console or SNMP, Support 6U rackmount, One or 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	2.4KG



Technical Specification of Sepitam-16P4E14FE4D-T/R

شرکت سپیتام



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