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;

♦ 1~32channel 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(Port 5 in dip switch) , 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

Note: When using, the dip switch should be off by default.

Parameters:

Fiber

Number of Fiber Ports: 1

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

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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

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