



## TYPE: Sepitam-384P4FE2bd-T/R

384 Channel Phone & 4 Fast Ethernet 10/100 on Fiber



### Overview:

The series equipment is the company developed the PCM optical fiber transmission for the large scale integrated circuit on base of the developed of optical fiber transmission Provide 384 \* voice, 4 \* 10/100M fast Ethernet (wire speed 1000M), 2\*expansion interface(RS232/RS485/RS422 asynchronous data、switch signal) Ethernet interface can exchange for each other ,and VLAN division The working is reliable, stable, and low power consumption, high integration, small size, easy of installation and maintenance.

### Features:

- ◆ Based on self -copyright IC
- ◆ The equipment for 4U 19 inch a total of optical port plate with 16 function board.
- ◆ Maximum configured to 384\*Voice,if you want to configure SNMP Network management need to remove a 24 \* Voice board,Configuring 1\*N E1 board needing to remove a 24 \* call board too.
- ◆ 384 Channel voice access, supports caller ID feature and reverse polarity billing functions
- ◆ Support FXO/FXS, EM2/4 audio, Magnet telephone Interface, FXO port docking with program-controlled switchboard, FXS port connected to the user's telephone
- ◆ Support various sites mutual number allocation function
- ◆ 4Channel Ethernet interface is switch interface, support VLAN
- ◆ Ethernet interface rate is 10/100M,duplex/half duplex adaptive
- ◆ Can command the remote interface loop back to maintain the circuit
- ◆ The transmission distance is up to 2-120Km without interruption
- ◆ AC 220V, DC-48V, DC24V can be optional
- ◆ DC-48V/DC24V power has polarity automatic detection function, you can install the device without differentiation between positive and negative polarity.
- ◆ Telephone interface with lightning protection, lightning reached IEC61000-4-5 Short circuit current wave 8 / 20μs, open-peak output voltage 6KV standards.



## Parameters:

### • Fiber

#### Multi-mode Fiber

50/125um, 62.5/125um,

Maximum transmission distance: 5Km @ 62.5 / 125um single mode fiber, attenuation (3dbm/km)

Wave Length: 820nm

Transmitting power: -12dBm (Min) ~-9dBm (Max)

Receiver sensitivity: -28dBm (Min)

Link budget: 16dBm

#### Single-mode Fiber

8/125um, 9/125um

Maximum transmission distance: 40Km

Transmission distance: 40Km @ 9 / 125um single mode fiber, attenuation (0.35dbm/km)

Wave Length: 1310nm

Transmitting power: -9dBm (Min) ~-8dBm (Max)

Receiver sensitivity: -27dBm (Min)

Link budget: 18dBm

### • 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: 10/100Mbps, 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)

## Pecifications:

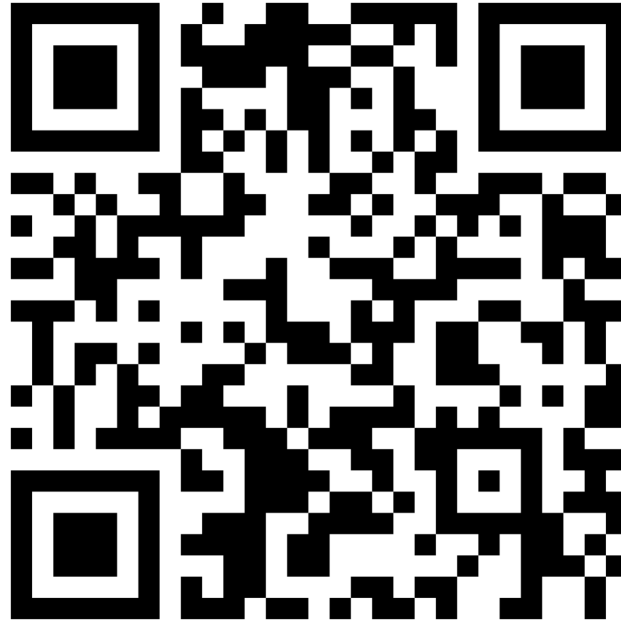
Model	Sepitam-384P4FE2bd-T/R
Functional Description	4U rack mount multiplexer, 384 * telephone, 4*10/100 Mbps Ethernet, E1, Console or SNMP,2*RS232/422/485, Two Fiber interface
Power	Power supply: AC180V ~ 260V; DC - 48V; DC +24V Power consumption: ≤ 300W
Dimension	(485length) X 365(width) X195(height) mm(19 inch 4U Type)
Weight	12.5Kg/Pcs(19 inch 4U Type)



# Technical Specification of

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شرکت سپیتام



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