

Type: **SAE-360P4GE16E1-Rack**

Technical Specification of: **SAE-360P4GE16E1-Rack**

360Line telephone tip-ring channel & 4Channel 10/100/1000M ports & 16E1

directions



- 360 Channel voice access, supports caller ID feature and reverse polarity billing functions
- include SNMP) and 12 Pcs 30 FXO/FXS card
- 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 16E1 directions or optical directions
- 4Channel G ETH interface is switch interface, support VLAN
- G-Ethernet interface rate is 10/100/1000M, duplex/half duplex adaptive
- The transmission distance is up to 2-120Km without interruption
- AC 220V, DC-48V, DC24V can be optional

This **SAE-360P4GE16E1-Rack** is 6U high and 19 inch length, which supplies 360 line telephone output, 2*expansion interface(RS232/RS485/RS422 asynchronous data(optional), 4Channel 10/100/1000M Ethernet interface and 16E1 interface, Support protocol

G.703 for E1.4Channel G-Ethernet interface is switch interface, can support VLAN. two fiber interface with 1+1 backup function, SNMP network management, Ethernet interface can exchange for each other, and VLAN division. The application is very flexible. Telephone interface on the back of equipment, for the convenience of users, there are two kinds of interface can be selected, DB37 and RJ45.

SAE-360P4GE16E1-Rack is made with high quality of rigorous screened components, which have superior performance in stability, environmental adaptability. It can work normally in very cold environment to very hot from -35°C to $+75^{\circ}\text{C}$. The product is planned in a way to have better resistance against corrosion and electromagnetic power, to get more powerful suitability to environment.

: Applications

- Access points wireless systems and transmission data
- used in computer networking
- Management and support Intelligent telecommunications operators supervisory
- Used between main command center and branch offices



Technical Specification

Product name	SAE-360P4GE16E1-Rack
Interface	
Ports	360*Ports phone (4Channel 10/100/1000M Ethernet interface Wire speed 1000M) and 4 expansion interface)
fiber	
Multi-modeFiber50/125um,62.5/125um,	
Maximum transmission distance: attenuation (3dbm/km)	5Km @ 62.5 / 125um single mode fiber,
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)



standards

- Support protocol G.703 for E1
- Support protocol G.742 and G.823 for Jitter tolerance
- Support Telephone interface with power protection, power reached IEC61000-4-5 protocol

E1 specification

- Packet Forwarding Rate: n*64Kbps±50ppm;
- E1 Impedance: 75Ω (unbalance), 120Ω (balance);
- Allowed debilitation: 0 to 6dBm
- Jitter tolerance: In accord with protocol G.742 and G.823

FXS Phone specification

- Voltage of Ring: 75V
- Frequency of Ring: 25Hz
- Total amount of resistance for 2 line: 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

G-Ethernet interface(10/100/1000M)

- Interface rate:10/100/1000 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



FXO Switch specification

- Voltage of Ring: 35V
- Frequency of Ring: 17Hz-60Hz
- Total amount of resistance for 2 line in FXO switch & EM 2/4 Line: 600 Ohm (pick up)
- Return loss: 40dB

Power

Multifold power mode options: AC220V, DC-48V / DC-24V
 Power supply: AC180V ~ 260V; DC - 48V; DC +24V
 Max Power consumption: 10W
 Short circuit current wave 8/20µs, open-peak output voltage 6KV standards

Dimension

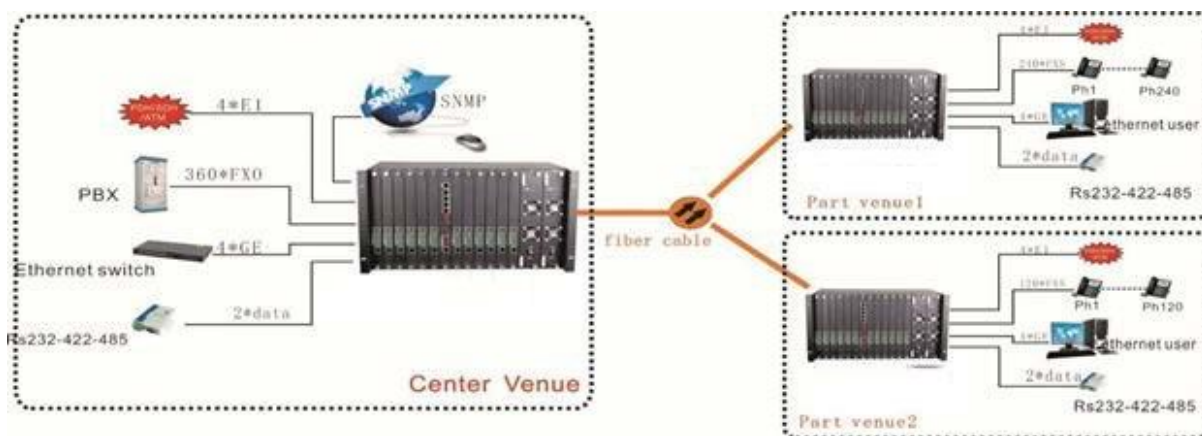
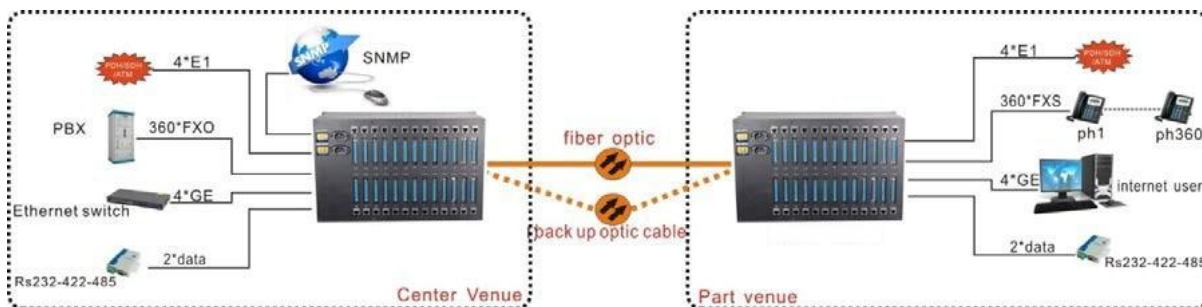
Size: 485(length) X 365(width) X195(height) mm(19 inch 6U Type)
 Weight: 12.5Kg/Pcs(19 inch 6U Type)

Environmental Aspects

Working Temperature -10~60°C;
 Storage Temperature -35~75°C;
 Working Humidity 5%-95%(non-condensing)
 Storage Humidity 5%-95%(non-condensing)

Functional Description	360*telephone FXO/FXS , 4*E1(75ohm/BNC or 120ohm/RJ45) , 4*10/100/1000Mbps Ethernet, Console or SNMP
Port Description	One/two Fiber optical interface(1+1); 4*E1; 4*GE;
Power	Power supply: AC180V ~ 260V; DC -48V; DC +24V Power consumption: ≤10W

Product Application Display



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