16E1+4Gigabit Ethernet Fiber Multiplexer

With Local Management

Model: AZ-OP-16E1-4GE

Functions:

AZ-OP-16E1-4GE is the 16E1 point-to-point optical transport equipment that uses the FPGA chips and it is easy to upgrade. It is single board structure and the largest transmission capacity is 16E1 and 4*1000M line Ethernet data, one channel RS232. the Ethernet bandwidth is set on base on multiple of 32K.The outer design use the standard 19 inches rack, so the volume is small, weight is light and operation is convenient and credit.

PRODUCT CHARACTERISTIC:

➢ Provides 16 E1 transparent transmission ;

➢ Provide 4*1000M line Ethernet channel,support mutual negotiate, Ethernet bandwidth is set on base on multiple of 32K.;

➢ The 4GE ports also can support 3 GE/electrical + 1 GE/optical (option)

➢ Provice one hotline channel for option;

➢ The rate of optical port is 1.25Gbps, transmission distance can reach 25KM, 40KM, 60KM, 80KM or 120KM;

➢ The optical port can support fixed port or SFP slot (option)

➢ Support two fiber port,1+1 fiber protection (option)

➢ E1 interface code is HDB3，E1 vibration characteristic conforms to ITU-T G.703 、G.823 and G.742;

➢ Ethernet port supports full/half duplex, 10M/100M/1000M auto-negociation;

➢ Ethernet port supports VLAN function and has 4 division mode for user selection;

➢ Ethernet package size support 1916 byte and 4 Ethernet port could be set separately;

➢ Has complete alarm function and can monitor remote device status;

➢ Supports E1 loop from remote so as to detect and manage device conveniently;

➢ Support power AC220V or DC-48V or double power AC and DC for redundant

➢ Support SNMP management (option)

➢ Support Local management by console management (option).

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E1 interface:

Interface code: HDB3 code

Line speed: 2.048Mbp/s ±50ppm

Interface standard: ITU-T G 703

Interface impedance:

75Ω/unbalanced (BNC) or120Ω/balanced (RJ45)

Allowed attenuation: 0~6dB

10/100/1000 Base-T Port:

Rate: 10/100/1000M,full/duplex auto-negotiation

Protocol: Support IEEE 802.3,

           IEEE 802.1Q (VLAN)

Connector: RJ45

Power supply:

working voltage range wide, good

anti-disturb and Isolation, work stable

Option I – DC-48V, range DC-36V~DC-72C

Option II – AC220V, range AC165V~AC240V

Power Consumption: <=7 Watts

Dimension:

433mm(L)x138mm(W)x 44mm(H)

Fiber interface:

Optical wavelength:

1310nm/1550nm for single-mode optic interface for option

850nm/1310nm for multi-mode optic interface for option

Transmitting range:

MM 2Km,SM 20Km/40Km/60 Km/120Km for option

Optical interface: SC/FC/ST for option

Transmitting consumption: -3dBm/2dBm

Receiving and dispatching module: >-36dBm

Optical receiver receiving sensitivity: <-36 (BER<10):

Optical code: NRZ

RS232/Console port:

Rate： 9600Kbps (Asynchronous)

Environment condition:

Working temperature: -10°C ~ 50°C
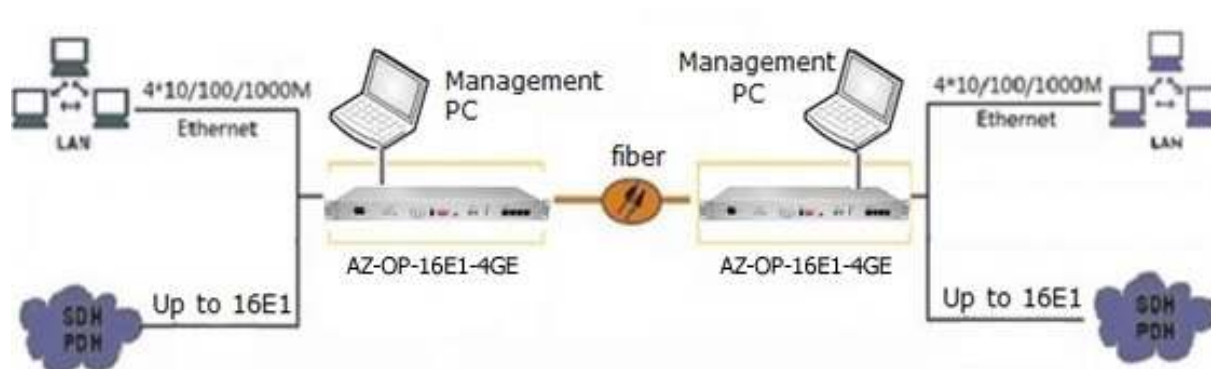
Working Humidity: 5%~95 % (no condensation)

Storage temperature: -40°C ~ 80°C

Storage Humidity: 5%~95 % (no condensation)

Order Information:

- ❖ **AZ-OP-16E1-4GE**   16E1 fiber multiplexer, 4*10/100/1000M Ethernet, E1 750ohm or 120ohm, dual fiber or single fiber, power AC220V or DC48V

- ❖ **AZ-OP-16E1-4GE/M**   16E1 fiber multiplexer, 4*10/100/1000M Ethernet, E1 750ohm or 120ohm, dual fiber or single fiber, power AC220V or DC48V, console management

- ❖ **AZ-OP-16E1-4GE/RS232**   16E1 fiber multiplexer, 4*10/100/1000M Ethernet, 1*RS232 data, E1 750ohm or 120ohm, dual fiber or single fiber, power AC220V or DC48V

- ❖ **AZ-OP-16E1-3GE/1FX/SNMP/DFI**   16E1 fiber multiplexer,3electrical GE+1optical GE,E1 750ohm or 120ohm,1+1 fiber protection, dual fiber or single fiber, power AC220V or DC48V,SNMP management console management