



# S.G. INTERNATIONAL GROUP H.K. LIMITED

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### ➤ Optical Transmitter & Receiver



### 120 Optical Transmitter & Receiver

SG 120 Optical Transmitter & Receiver is a photoelectricity syncretic transmission apparatus with 120 channels (be equal to 120 voice channels). It takes GSI as core and provides E1 transmission which is suit to telecommunication. Offers 4 channels E1 ports, one channel RS232 and one channel service telephone. Supports full network management function. It adapts to switch group network of small capacity, loop network, mobile communication (base station), special network, DDN and so on.

#### Product Feature

- Adopts large-scale integrate chip, brief circuit, low power consumption and high reliability structure
- Offers four channels E1 ports, one channel RS232 and one channel service telephone
- Offers service telephone port for the convenience of installation and maintenance
- Possess the function of give a alarm by sound
- Provides one network management port, possess full concentrated network management function, convenient to configure the network and high security
- Possess complete alarm and state indication function
- Adopts manifold power supply: -48VDC or 220VAC

#### Technologies reference

- Fiber type: Single-mode fiber or Muti-mode fiber
- Fiber wavelength: 1310nm, 1550nm or 850nm optional
- Fiber interface: SC, FC or ST optional
- Optical line code: 4B5B
- Date rate: 4096KBIT/S
- Fiber module: Single Strand module or Double Strand module
- Output optical power: -8DBM~-15DBM
- Receiving sensitivity:  $\geq -36$ DBM
- Transmission distance: 50KM (maximum distance:120KM)
- E1 character:  
Line code: HDB3  
Bit rate: 2.048KBIT/S $\pm$ 50ppm  
Standard: ITU-TG.703  
Line impedance : 75ohm(unbalance),120 ohm(balance)  
Connector: BNC
- Rs232 interface:  
Working manner:  $\leq 19.2$ KBIT/S asynchronous serial manner      Port type: RJ-45
- Power  
Voltage: 180V~240V AC, -36V~-72V DC      Power consumption: <10W
- Working environment:  
Operating temperature: 0°C~50°C      Storage temperature: -40°C~70°C  
Environment humidity: 5-90%(non-condensing)      Atmospheric pressure: 86~106KPA
- Dimension: 483mm×140mm×45mm(19 inch standard type)

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