

Functions

TD-OP-FE1 fiber modem is to modulate fractional (N*64Kbps) to single or multi-mode fiber. E1 time-out, wavelength of ordinary fiber, and type of interface is configurable. Suit for transmit additional management data channel in different fibers. The fiber for transmit data can be used to monitor and control local and remote devices, and no collision will occur. It can also be used pair with V.35 fiber modem.



Product Characteristics

- Special two row indicator (upper row indicate local and lower row indicate remote);
- Based on self-copyright IC, and software content is high;
- Realize random time-slot choice, compose N*64K (N=1~32) channel;
- Provide 3 types of loop functions, local (ANA), loop to remote (DIG) command loop (REM) ;
- PBRs Code testing function, convenient for install and test device;
- Remote rate adjustment to remote device (in primary clock status) when local terminal is in primary clock status;
- FE1 fiber modem can use with V.35 fiber modem, that can save a G.702/V.35 converter;
- AC220V or DC -48V power built-in;
- Support AC+DC Option;
- Comply CE, FCC, RoHS

E1 interface

Line Rate: N*64Kbps (N=1~31)

Line Code: HDB3

Interface Standard: ITU-T G.703

E1 Impedance: 75Ω (unbalance) and 120Ω (balance)

Connections: dual coax BNC and 120-ohm twisted-pair (RJ45)

Jitter tolerance: finer than G.742 and G.823

Unbalance match with coaxial adapter, can match 75ohm-2 coaxial wires. Balance match with balance adapter, can connect with twisted-pair wire

Fiber Interface

Optical interface: SC/FC

Optical core: Single Fiber or Dual Fiber

Optical Wavelength: 1310 nm/1550nm +/- 50/40nm

Sending consumption: -9dBm/-5dBm

Receiving and dispatching module: >-6dBm

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

Dynamic range receiving: >-30dB

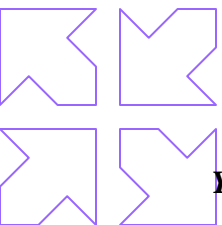
Optical code: NRZ

Support several optical interface:

850nm/1310nm Multimode Fiber

1310nm/1550nm Singlemode Fiber

Transmit distance: Multimode with 2KM, single-mode with 20KM, 40KM, 60KM, 80KM, and 120KM.



Power supply

Working voltage range wide, good anti-disturb and Isolation, work stable

Option-I DC-48V, range DC-36V to DC-72V

Option-II AC220V, Range: AC 90V to AC 260V

Option-III AC220V+ DC-48V

Power Consumption: <=3 Watts

Environment condition

Operating temperature: 0 °C ~55 °C

Storage temperature: -20 °C ~ +70 °C

Humidity: 95% RH (non-condensing)

Cooling: Convection Cooling

Dimension

210mm (L)

140mm (W)

30mm (H)

Order Information

TD-OP-FE1 -AC

TD-OP-FE1 -DC

TD-OP-FE1-AC+DC

Typical Application:

