

## MODEL7302

### Framed E1 Optic Fiber Modem

#### Features

1. Conforms to all relevant ITU series standards( ITU-T G.703 G.704 G.823)
2. Framing or non-framing mode in option
3. E1 time slot in arbitrary option
4. Balanced 120Ω/non-balanced 75Ω interfaces automatic
5. Support the loop back of local analog/digital interface
6. Support remote loop back function (valid on under framing mode)
7. Support pseudo-random code test function, providing convenience for the test of optic fiber line status
8. 120km trunking -free transmission distance for single-mode optic fiber
9. Capable to be communicated with V.35 fiber modem
10. Available with complete line detection and alarm indications
11. Available with independent structure and 19-inch frame-mounted structure (frame-mounted structure can be inserted with 16 modules);
12. AC 220V and DC -48V inputs may be selected for fiber optic modems of both structures;
13. For frame-mounted fiber optic modems, dual power supply heat backup is provided to ensure a Receiving level: 0~43db



#### Introduction

MODEL7302 FE1 Fiber Modem is a high-performance E1 fiber optic modem developed by using a dedicated integrated circuit. It is to modulate a framing or non-framing E1 data signal directly into single- or multi-mode optic fiber for a transmission via optic cable line. At another end of the optic cable, optical signal is demodulated

into a framing or non-framing E1 data signal. E1 interface may be directly connected with the E1 interfaces of image and data terminals or the WAN ports of MUX, exchanger and router for a dedicated network setup or a LAN connection.

#### Specification

##### Optic interface:

Line mode type: CMI

Line mode rate: 2.048Mbps

Operating wavelength: 850nm,1310nm or 1550nm

Optic fiber connector: SC/PC

Applicable optic fiber: multi-mode, single-mode

Transmission distance: Single-mode:up to 120km

Multi-mode: up to 2km

##### E1 interface:

Standard: ITU-T G.703 G.704

Frame structure: framing CCS(PCM31)/ CAS(PCM30)

Rate: N×64Kbps (N=1~31)or 2.048Mbps

Impedance: 75Ω, physical interface BNC;

120Ω, physical interface RJ45

Code:HDB3

Receiving level: 0~43db

##### Indicator lamps:

To indicate the operating status of power supply, loopback and random code test, code missing alarm, out-of-frame alarm etc.

##### Structure:

Independent: 140mm(depth) × 210mm(width) x 42mm(height)

Frame-mounted: 19in 4.5U standard casing

##### Power supply:

Independent: 85V~264V AC input, 5V/2A output;

-36V~-72V DC input, 5V/2A output

Frame-mounted: 150V~260V AC input, 5V/16A ,12V/1A output

-38V~ -58V DC input, 5V/16A ,12V/1A output

Power consumption: 3W

Operating temperature: 0°C~50°C

Storage temperature: -20°C~80°C

Humidity: 5%~90% (free of condensate)

**Warranty: 5 years**

**Approvals: FCC, CE, RoHS approvals**



