

# MODEL7304

## V.35 Optic Fiber Modem

### Features

1. Rate  $N \times 64\text{Kbit/s}$  ( $N=1\sim 32$ )
2. Support the loopback of local analog/digital interface
3. Support remote loopback function
4. Support pseudo-random code test function
5. 120km trunking -free transmission distance for single-mode optic fiber
6. Capable to be communicated with FE1 Fiber Modem
7. Available with complete line detection and alarm indications
8. Available with independent structure and 19-inch Rack-mountable structure  
Rack-mountable structure can be inserted with 16 modules
9. AC 220V and DC  $-48\text{V}$  inputs may be selected for fiber optic modems of both structure
10. For Rack-mountable fiber optic modems, dual power supply heat backup is provided to ensure a high operating reliability



### Introduction

MODEL7304 is a high-performance V.35 optic fiber modem developed by using a dedicated integrated circuit. It is to modulate a  $N \times 64\text{K}$  V.35 data signal directly over 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 V.35 data signal. V.35 interface may be directly connected with the V.35 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

#### V.35 interface:

Data rate:  $N \times 64\text{Kbps}$  ( $N=1\sim 32$ )

Available with CTS/RTS (Hardware) flow control function

Type of connector: M34 connector

Operating mode: DCE

#### Indicator lamps:

To indicate the operating status of power supply, data receiving/sending, loopback and random code test, code missing

alarm, out-of-frame alarm etc.

#### Structure:

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

Rack-mountable: 19in 4.5U standard casing

#### Power supply:

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

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

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

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

Power consumption: 3W

Operating temperature:  $0^{\circ}\text{C}\sim 50^{\circ}\text{C}$

Storage temperature:  $-20^{\circ}\text{C}\sim 80^{\circ}\text{C}$

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

Warranty: 5 years

Approvals: FCC, CE, RoHS approvals