

# MODEL7221

## V.35 to E1(framed E1) Converter

### Features

1. Convert V.35 interface to FE1(2M framed G.703) interface
2. Support  $N \times 64\text{Kbps}$  ( $N=1 \sim 32$ ) rate
3. Random distribute timepiece and bandwidth
4. Support line resume clock, local clock and equipment clock
5. E1 (G.703) interface support 120ohm (RJ-45) and 75ohm (BNC double coaxial)



### Introduction

MODEL7221 converter provides conversion between ITU-T G.703 standard E1 interface and standard V.35 interface, can convert E1 channel of SDH, PDH, and other Optical Transmission Equipment or microwave, satellite Equipment to V.35 channel, Extend V.35 channel

of DDN. Used widely in data communication networks, Connecting with V.35 interface of Routers and Optical Transmission Equipments without G.703 interface, realize match between different network equipments, and transparent to upper protocol layer.

### Specification

#### E1 interface

Standard: Comply with ITU-T G.703  
 Output tingle displace: accord ITU-TG.735 advice  
 Input tingle limit: accord ITU-TG.823 advice  
 Output tingle: accord ITU-T G.823 advice  
 Frame format: framed  
 Interface rate:  $N \times 64\text{Kbps}$  ( $N=1 \sim 32$ )  
 CRC checkout: no  
 Port coding: HDB3  
 Port transmission: 2KM  
 Port protection: 1500V electromagnetism isolate  
 Port connector: 120 Ohm(RJ-45) and 75 ohm(BNC double coaxial)

#### V.35 interface

Standard: Comply with V.35 (DTE)  
 Clock: Line clock, Local clock  
 Port connector: DB-25 female (DB25 to M/34 cable)

Line code: NRZ

**Clock selection: Internal clock, V.35 line clock, E1 recovery Clock**

**Test facility : Bite Local& remote loop test**

#### Environment, Power and Dimension

Working temperature: -25 to 70°C  
 Storage temperature: -40 to 85°C  
 Humidity: Relative humidity 5% to 95%  
 Input power: 220VAC or -48VDC  
 Consumption: 2W  
 Power protection: From high voltage/short circuit  
 L×W×H: 227.4mm×146.3mm×42.7mm  
 Shell: Plastic  
 Weight: 260g  
**Warranty: 5 years**  
**Approvals: FCC, CE, RoHS approvals**

### Packing List

1. MODEL7221 V.35/E1 converter×1
2. 220V power line ×1
3. DB25M to M/34F cable ×1
4. User manual ×1

