

# E485

## RS-485/422 to E1 Converter

### Features

1. Convert RS-485/422 interface to E1(2M unframed G.703) interface
2. Support line recovery clock, local clock and equipment clock
3. Support E1 port loop
4. E1 (G.703 ) interface support 120ohm (RJ-45) and 75ohm (BNC double coaxial)



### Introduction

E485 interface converter supports the conversion between E1 interface which accord with the ITU-T G.703 standard and RS-485/422 interface, it can receive synchronous data of 2.048Mbps

from E1 network, and transmit the data to ROUTER or other devices. The mode of interface is DCE, and it can be connected with DTE or DCE devices.

### 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: unframed  
 Interface rate: 2.048Mbps±50ppm  
 CRC checkout: no  
 Port coding: HDB3  
 Port transmission: 2KM  
 Port protection: 1500W surge protection, 15KV ESD protection  
 Port connector: 120 Ohm(RJ-45) and 75 ohm(BNC double coaxial)

Baud Rate: 0~115.2Kbps  
 Work mode: DCE  
 Synchronous serial, lucency transmission  
 600W surge protection, 15KV ESD protection

#### 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: 3 years**  
**Approvals: FCC, CE, RoHS approvals**

#### RS-485/422 port

Standards Compliance: EIA RS-485, RS-422  
 Connector: DB25 female  
 Signal: RS-485:485+, 485-, GND  
 RS-422:TXD+, TXD-, RXD+, RXD-, GND

### Packing List

1. E485 Converter ×1
2. 220V power line ×1
3. DB25 male to DB9 female cable ×1
3. User manual ×1

