

## TC-700B

### *Sub-rate serial to 64/128Kbps V.35 interface converter*

#### Description

TC-700B is a rate adaptation and interface conversion box. It performs (1) rate adaption for sub-rate to 64/128Kbps and (2) RS232/422/485 to V.35 interface conversion. TC-700B is equipped with DIP switch for rate and interface setup which is very convenient for field operation without any extra programming device.

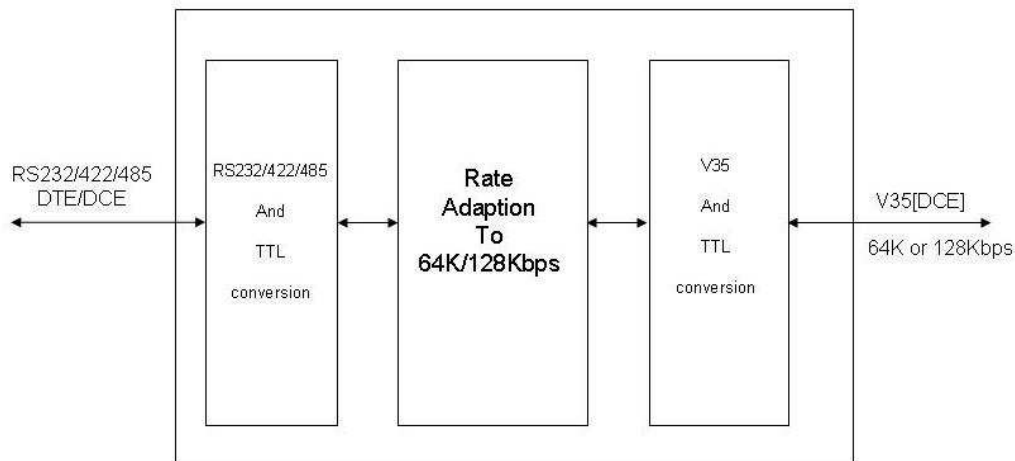


#### Features

- ◆ Support sub-rate adaption to 64/128Kbps V.35 interface
- ◆ Support asynchronous and synchronous sub-rate interface
- ◆ Support asyn. rate: 300; 600; 1.2K; 2.4K; 4.8K; 9.6K; 14.4K; 19.2K; 38.4K; 57.6K and 115.2Kbps
- ◆ Support sync. rate: 1.2K; 2.4K; 4.8K; 9.6K; 14.4K; 19.2K; 38.4K; 56K; 64K and 128Kbps
- ◆ Support sub-rate for RS-232/422/485 DTE and DCE interfaces
- ◆ Support V.24 interchange circuit control



## Block Diagram



## Specification

### Sub-rate port

Standard: EIA RS-232, 422 and 485.

Connector : DB-25 Female for DCE and DB-25 male for DTE

Asynchronous Rate: 300; 600; 1.2K; 2.4K; 4.8K; 9.6K; 14.4K; 19.2K; 38.4K; 57.6K and 115.2Kbps

Data rate tolerance : +/- 2.0 %

Data bit: 8/9/10/11 bits

Synchronous Rate: 1.2K; 2.4K; 4.8K; 9.6K; 14.4K; 19.2K; 38.4K; 56K; 64K and 128Kbps

DTE/DCE inter-change circuit control: ITU-T V.24

Rate adaptation : sub-rate under 64Kbps → 64Kbps, 115.2K → 128Kbps ,  
proprietary adaptation scheme

### V.35 port

Standard: ITU-T V.35

Rate: Synchronous 64K/128Kbps

Connector: MR34 Female, DCE

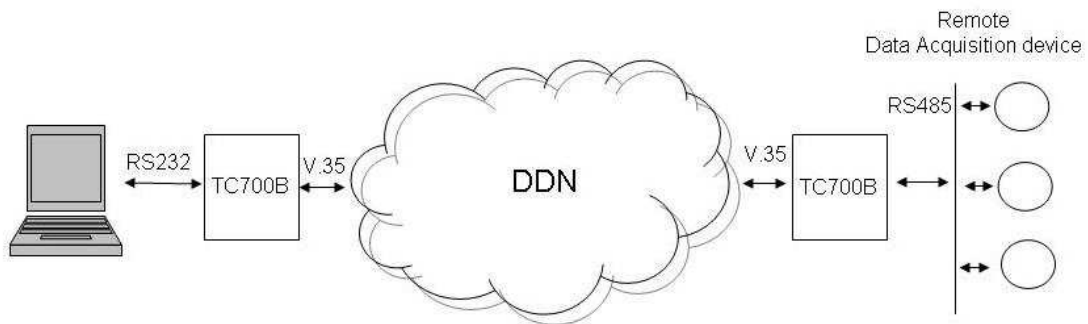
**Power:** AC 240V @50Hz , 2 Watt

**Mechanic Dimension :** WxDxH 130x170x40 mm

**Operation Environment:** -10 – 65° C, 95% non-condensing Humidity

## Application

### Leased line connection over DDN network



## Ordering

1. **TC700B-RS232** : RS- 232 interface to V.35 converter
2. **TC700B-422485** : RS – 422 or RS – 485 interface to V.35 converter