

# LTC100

RS232-RS422/RS485 Serial Converter



RS232-RS422/RS485 serial converter, LTC100

- Fully compatible with PC serial COM ports
- No external power supply required (port-powered)
- DIP switch for RS422/485 mode

### Fully compatible with PC serial COM ports

The RS232 side of LTC100 is DB9 female connector. So PC or RS232 connector of various systems can be connected LTC100 without any cable.



### No external power supply required

The LTC100 is designed to be operated without any external power supply, when it is connected to PC or to RS232 connector of various systems. But a connector for the external power is also equipped for the case that an external power supply should be used.

### DIP switch for RS422/485 mode

The LTC100 is designed to meet various installation environments by selecting operation mode. Please set the DIP switch on top of the unit according to your application.



## Single Unit Pack Includes

User Manual



LTC100



## Specifications

### Serial Interface

- Mode : Asynchronous serial communication
  - RS422 mode : point-to-point, multi-drop
  - RS485 mode : echo, non-echo
- Speed : up to 921.6Kbps
- Distance : max. 1.2Km @115.2Kbps, 24AWG twisted pair cable
- Connector
  - RS232 : DB9 female
  - RS422/485 : terminal block 5P
- Signals
  - RS232 : TXD, RXD, DCD, DSR, RTS, DTR, CTS, GND
  - RS422 : RXD-, RXD+, GND, TXD-, TXD+
  - RS485 : TRXD-, TRXD+
- Protection : 15KV surge protection for all signals
- Data bits : 5, 6, 7, 8
- Stop bits : 1, 1.5, 2
- Parity : none, even, odd, space, mark
- RTS control : auto toggling

### LEDs

Power, TX, RX

### Power

- No external power supply needed (port-powered)
- Optional external power input: 7~12 VDC
- Power consumption: 0.4W (33mA@12VDC)

### Environmental

- Operating temperature : 0~55°C (32~131°F)
- Storage temperature : -20~70°C (-4~158°F)
- Humidity : 5~95% non-condensing

### Physical Properties

- Dimension : 74(W)x37(H)x19(D)mm
- Weight : 33g

### Certification

CE, FCC, KCC

### Warranty

1-year limited warranty

For more information, please visit at [LTC100 Page!](#)