

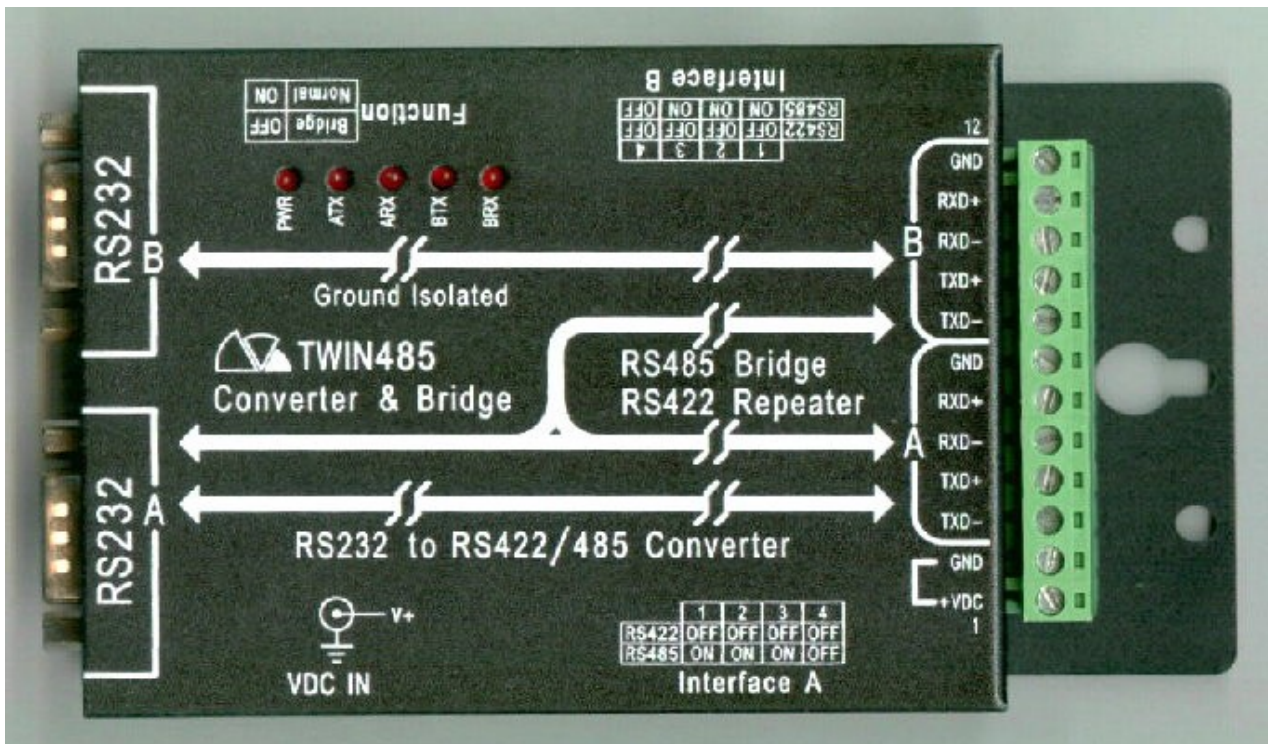
TWIN485

Industrial Ground Isolated
RS232 to RS422,RS485
Converter & Bridge .

One device to meet both requirement

No more separate converter and repeater

Powerful and Flexible for redundancy usage



- ★ Double sets **RS232 to RS485 converter** in one box
- ★ Double sets **RS232 to RS422 converter** in one box
- ★ One set **RS422 to RS485 converter**
- ★ One set **RS422 to RS422 repeater**
- ★ One set **RS485 to RS485 bridge**
- ★ One RS232 to **double segment RS485 network**
- ★ Fully Ground Isolated Function
- ★ Auto Data Direction Control on RS485
- ★ Support screw terminal and DC power adaptor
- ★ All function and Feature set by DIP switch
- ★ RS232 data transmission LED indicator

TWIN485 specifications :

RS232 interface :

- ◆ Connector type : DB9 male connector.
- ◆ Number of ports : 2

NOTE : port A is major port in bridge function mode.

NOTE : port A and B have same signal ground with power input from screw terminal or DC power adaptor.

Function setting :

- ◆ Use one DIP switch to set for NORMAL mode or BRIDGE mode.
- ◆ NORMAL mode : support 2 sets independent RS232 to RS422/485 converter.
- ◆ BRIDGE mode :
Support RS232 port A to RS422/485 network.
RS422/485 port A and B offer two segment of RS422/485 network.
Function as RS422 repeater or RS485 bridge.

Power input :

- ◆ DC 9V -- 32V @ 2.5W.
- ◆ Two pin screw terminal input or standard DC power adaptor input.

NOTE : User may define RS232 port A pin 9 as DC power input (OEM base).

Environment :

- ◆ operating temperature : 0°C to 55°C .
- ◆ operating humidity : 0% to 95% RH.
- ◆ storage temperature : 0°C to 65°C .
- ◆ storage humidity : 5% to 95% RH.

RS422/485 interface :

- ◆ Connector type : screw terminal block.
- ◆ Number of ports : 2

NOTE : RS422 or RS485 interface type set by DIP switch.

NOTE : terminator resistor insert or not set by DIP switch.

NOTE : each port with isolated signal ground.

NOTE : each port with 5 screw terminal signal pin TX+ , TX- , RX+ , RX- , isolated GND.

NOTE : In RS485 interface type support Auto-Data-Direction-Control feature. Data+ and Data- signal can be in TX+ and TX- pair or RX+ and RX- pair.

LED indicator :

- ◆ PWR : DC power input ON indicator.
- ◆ ATXD : RS232 port A TXD signal activity.
- ◆ ARXD : RS232 port A RXD signal activity.
- ◆ BTXD : RS232 port B TXD signal activity.
- ◆ BRXD : RS232 port B RXD signal activity.

Accessories :

- ◆ A101 cable : 6 feet DB9 female to DB9 female for PC COM port connection.
- ◆ A405 cable : 6 feet DB37 male to four DB9 female for P584 card connection.
- ◆ R805 cable : 6 feet DB62 male to eight DB9 female for P588 card connection.

Dimension :

- ◆ TWIN485 box :
84mm (W) * 150mm (L) * 25mm(H)

Performance upgrade capability and relative products.

- ▲ TWIN232DBI box : one set RS232 to GROUND Isolated RS232 and RS422/485 converter.
- ▲ UP422I PCI PORT card : each card support two Ground isolated RS422/485 ports.
- ▲ UP485I PCI PORT card : each card support four Ground isolated RS422/485 ports.
- ▲ RS4232-4 box : 4 sets RS232 to Ground isolated RS232/422/485 converter box.
- ▲ RS4232-8 box : 8 sets RS232 to Ground isolated RS422/485 converter box.

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