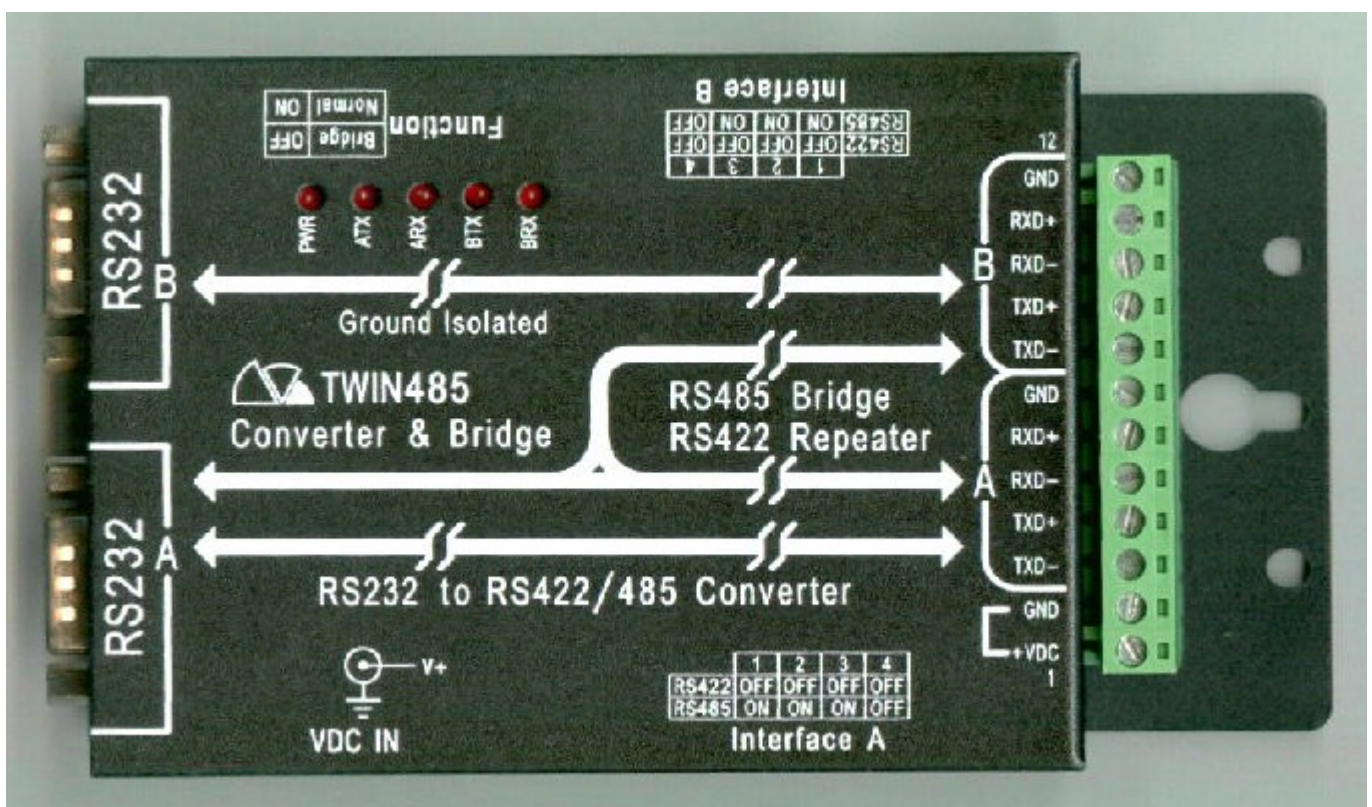# *TWIN485*

*C*onverter, *R*epeater, *B*ridge for

RS232 and Ground Isolated RS422/485.

DUAL RS232 to Ground Isolated RS422/485 *C*onverter.

*R*epeater for *DOUBLE* RS422/485 segment.

*B*ridge for one RS232 to *TWIN* RS422/485 segment.

- ★ **Double RS232 to RS485 converter**
- ★ **Double RS232 to RS422 converter**
- ★ **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 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℃ to 55℃.
℧operating humidity : 0% to 95% RH.
℧storage temperature : 0℃ to 65℃.
℧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.

▲ TRP-C06 box：one port ground isolated RS232 to RS422/485 converter.

▲ P422I PCIPORT card：each card support two Ground isolated RS422/485 ports.

▲ P485 PCIPORT card：each card support four Ground isolated RS422/485 ports.

▲ RS4232-4 box：4 RS232 to Ground isolated RS232/422/485 converter box.

▲ RS4232-8 box：8 RS232 to Ground isolated RS422/485 converter box.

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