

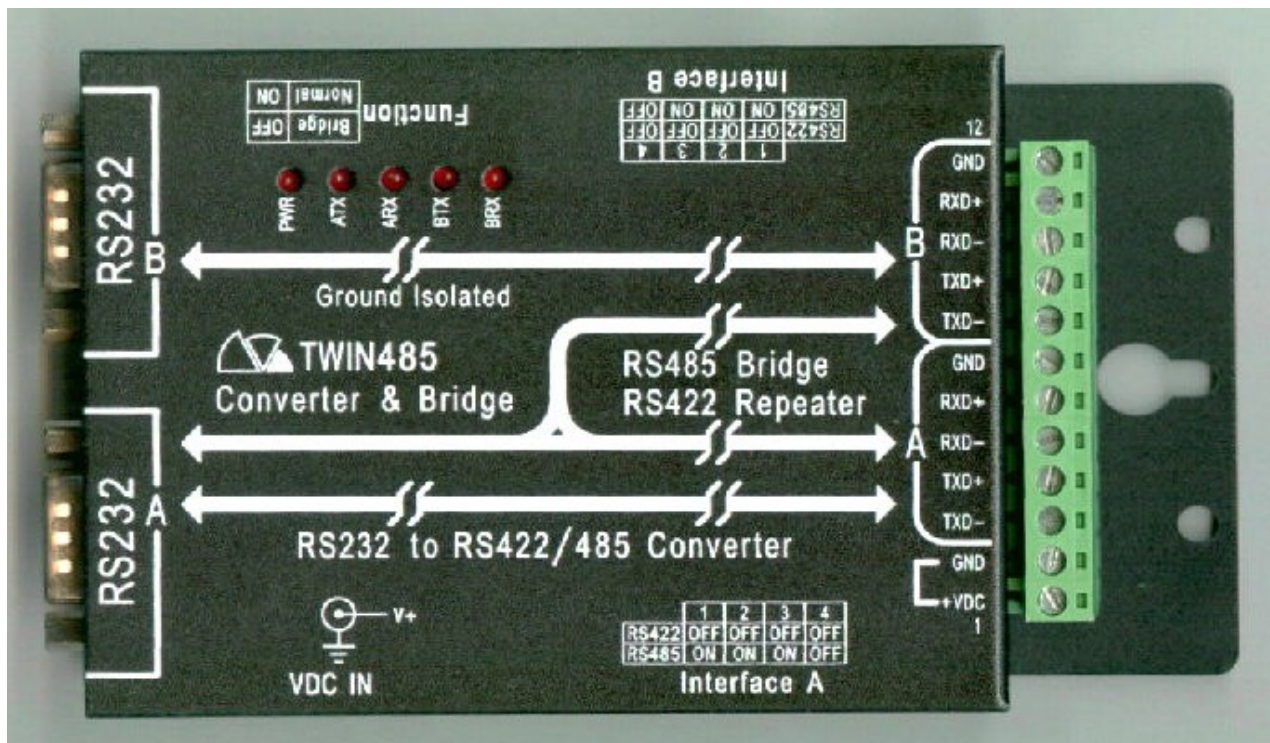
# TWIN485

**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 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 :

<p><b>RS232 interface :</b></p> <ul style="list-style-type: none"> <li>Connector type : DB9 male connector.</li> <li>Number of ports : 2</li> </ul> <p><i>NOTE : port A is major port in bridge function mode.</i></p> <p><i>NOTE : port A and B have same signal ground with power input from screw terminal or DC power adaptor.</i></p> <p><b>Function setting :</b></p> <ul style="list-style-type: none"> <li>Use one DIP switch to set for NORMAL mode or BRIDGE mode.</li> <li>NORMAL mode : support 2 independent RS232 to RS422/485 converter.</li> <li>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.</li> </ul> <p><b>Power input :</b></p> <ul style="list-style-type: none"> <li>DC 9V -- 32V @ 2.5W.</li> <li>Two pin screw terminal input or standard DC power adaptor input.</li> </ul> <p><i>NOTE : User may define RS232 port A pin 9 as DC power input (OEM base).</i></p> <p><b>Environment :</b></p> <ul style="list-style-type: none"> <li>operating temperature : 0°C to 55°C.</li> <li>operating humidity : 0% to 95% RH.</li> <li>storage temperature : 0°C to 65°C.</li> <li>storage humidity : 5% to 95% RH.</li> </ul>	<p><b>RS422/485 interface :</b></p> <ul style="list-style-type: none"> <li>Connector type : screw terminal block.</li> <li>Number of ports : 2</li> </ul> <p><i>NOTE : RS422 or RS485 interface type set by DIP switch.</i></p> <p><i>NOTE : terminator resistor insert or not set by DIP switch.</i></p> <p><i>NOTE : each port with isolated signal ground.</i></p> <p><i>NOTE : each port with 5 screw terminal signal pin TX+ , TX- , RX+ , RX- , isolated GND.</i></p> <p><i>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.</i></p> <p><b>LED indicator :</b></p> <ul style="list-style-type: none"> <li>PWR : DC power input ON indicator.</li> <li>ATXD : RS232 port A TXD signal activity.</li> <li>ARXD : RS232 port A RXD signal activity.</li> <li>BTXD : RS232 port B TXD signal activity.</li> <li>BRXD : RS232 port B RXD signal activity.</li> </ul> <p><b>Accessories :</b></p> <ul style="list-style-type: none"> <li>A101 cable : 6 feet DB9 female to DB9 female for PC COM port connection.</li> <li>A405 cable : 6 feet DB37 male to four DB9 female for P584 card connection.</li> <li>R805 cable : 6 feet DB62 male to eight DB9 female for P588 card connection.</li> </ul> <p><b>Dimension :</b></p> <ul style="list-style-type: none"> <li>TWIN485 box : 84mm (W) * 150mm (L) * 25mm(H)</li> </ul>
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### 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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