TWIN232

Industrial Ground Isolated RS232 to RS232,RS422,RS485 Suite

One Box to meet both requirement
Safety for local and remote connection
Powerful and Flexible for serial device

★ **One set RS232 to RS232 isolator**

★ **One set RS232 to RS422 converter**

★ **One set RS232 to RS485 converter**

★ **Fully Ground Isolated Function**

★ **Auto Data Direction Control on RS485**

★ **Support RTS/CTS handshake on RS422**

★ **Support screw terminal and DC power adapter**

★ **Wide VDC range suitable for 12V and 24V environment**

★ **All function and Feature set by DIP switch**

★ **RS232 data transmission LED indicator**

TWIN232 specifications :

Common RS232 interface :
ᴜConnector type : DB9 Female connector.
ᴜ Signal pin definition: DCE type .
 NOTE : The Ground pin for Common RS232 connector is same signal ground with power input from screw terminal or DC power adapter.

Isolated RS232 interface :
ᴜ Connector type: DB9 Male connector.
ᴜ Signal pin definition: DTE type.
 NOTE: The Ground pin for Isolated RS232 connector is same signal ground with Isolated RS422/485 interface.

Isolated RS422/485 interface :
 Connector type: screw terminal block.
 NOTE: RS422 or RS485 interface type set by DIP switch.
 NOTE: terminator resistor insert or not set by DIP switch.
 NOTE: each port with 10 screw terminal signal pin TX+ , TX- , RX+ , RX- , isolated GND RTS+ , RTS- , CTS+ , CTS- , 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 :
ᴜPWR : DC power input ON indicator.
ᴜTXD : RS232 TXD signal activity.
ᴜRXD : RS232 RXD signal activity.
ᴜRTS : RS232 RTS signal activity.
ᴜCTS : RS232 CTS signal activity.

Accessories :
ᴜA102 cable : 6 feet DB9 male to DB9 female for PC COM port connection.

Dimension :
ᴜTWIN232 box :
 84mm (W) * 150mm (L) * 25mm(H)

Power input :
ᴜDC 9V -- 32V @ 2.5W.
ᴜTwo pin screw terminal input or standard DC power adaptor input.
 NOTE : User may define common RS232 port pin 9 as DC power input (OEM base).

Environment :
ᴜoperating temperature : 0℃ to 55℃.
ᴜoperating humidity : 0% to 95% RH.
ᴜstorage temperature : 0℃ to 65℃.
ᴜstorage humidity : 5% to 95% RH.

Performance upgrade capability and relative products.

▲ TWIN485 box: two port ground isolated RS232 to RS422/485 converter with RS422 repeater and RS485 bridge function.

▲ 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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