

CSE232-A/B/C

High-speed RS232 Serial Port Isolator Full Signal/3-wire
Signal/Active



- Support RS232 serial signal optical isolation protection and transparent data transmission
- Support baud rate up to 28800bps/38400bps/115200bps
- Specific serial port protection circuit, hot plug supported
- Active(C) or passive(A,B) models optional, the passive models can be powered through serial port without external power supply
- Support 15kV static protection and 600W/ms lightning protection
- Compact structure size, plug and play, easy to install
- Working temperature from -35 °C to +85 °C

Product Description

CSE232-A/B/C series port isolator has built-in photoelectric isolation, and the interface complies with EIA/TIA RS232 standards. It can provide isolation protection of up to 2500Vrms, with static and lightning protection, which can improve the reliability and stability of communication systems. The passive models (CSE232-A and CSE232-B) can be port-powered through each side of the serial port, no need the external power supply. The specific serial port protection circuit support hot plugging. The isolator hardware adopts a low-power and wide temperature design, can operate stably in temperature environment of -35 °C to +85 °C, and can be widely used in equipment such as motors, transformers, relays, or scenarios with high amplitude transient interference.

Technical Specifications

Model	CSE232-A	CSE232-B	CSE232-C
Serial Port	1 RS232 DB9F and 1 RS232 DB9M		
Baud Rate	300bps~28800bps	300bps~38400bps	300bps~115200bps
Signal	TX, RX, CTS, RTS, DTR, DSR, GND	TX, RX, GND	
Transmission Distance	15m		
Power Input	Port-powered		External DC5V
Working Current	<10mA		<15mA
Dimensions	63×33×17(mm)		
Weight	31g		33g
Operating Temp	-35℃~~+85℃		
Static Protection	15kV		
Lightning Protection	600W/ms		

Ordering Information

Model	Conversion Mode	Baud Rate	Isolation	Power Input
CSE232-A	7-wire RS232 to RS232	300bps~28800bps	2500Vrms	Port-powered
CSE232-B	3-wire RS232 to RS232	300bps~38400bps	2500Vrms	Port-powered
CSE232-C	3-wire RS232 to RS232	300bps~115200bps	2500Vrms	External DC5V



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