CSE485-A/B/C/D/E/F

RS232 to RS485/422 Serial Converter

- Support 1*RS232 port to 1*RS485/422 port
- Support transparent transmission, auto-sensing baud rate, up to 38400bps/57600bps/115200bps optional
- Specific serial port protection circuit, hot swapping supported
- Support RS485 data flow direction auto control, 64/128 nodes polling
- Equipped with integrated industrial wiring terminal block with terminal resistor
- Active or passive models optional, the passive models can be powered through serial port without external power supply
- Support electrostatic protection and surge protection, fiber/copper port isolation
- -40°C to +85°C operating temperature

Product Description

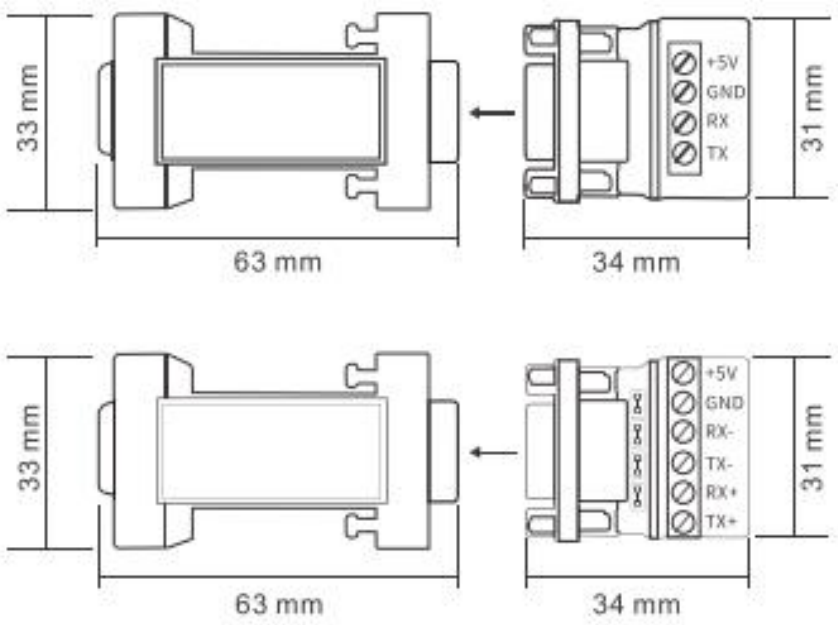
The CSE485-A/B/C/D/E/F series interface converters can convert RS232 port to RS485/422 port. These converters support bidirectional data transmission between serial ports. They can automatically detect serial baud rates, ensuring easy operation. Even if the device's baud rate changes, data streams can still pass through the converters without loss. By using I/O circuitry to achieve automatic data flow direction control, the converters require no handshake-signal jumper settings, ensuring compatibility with existing communication software and interface hardware. They support hot-swapping and feature excellent high-temperature resistance, allowing stable operation within a temperature range of –40°C to +85°C. Designed with a fanless, low-power, wide-temperature architecture, the converters are suitable for indoor and outdoor systems such as attendance tracking, access control, PTZ camera control, and parking management.

Specifications

Model	CSE485-A	CSE485-B	CSE485-C	CSE485-D	CSE485-E	CSE485-F
Serial Port	1*RS232 DB9F					
	1*RS485 DBM/4-pin block		1*RS485/422 DBM/ 6-pin block			1*RS485 DBM/4-pin block
Baud Rate	300~115200	300~38400	300~115200	300~38400		300~57600
Transmission Distance	RS485/ RS422:1.2km(19.2kbps)					
Number of nodes	RS485/RS422: Up to 128 nodes				RS485/ RS422: Up to 64 nodes	
Terminal Resistor	RS485/RS422: 120Ω(Jumper setting)					
Power Input	Passive	DC5V	Passive	DC5V	Passive	
Operating Current	<10mA	<15mA	<10mA	<15mA	<10mA	
Dimension	87x33x17(mm)		89x33x17(mm)		87x33x17(mm)	
Weight	36g(With terminal block)		38g(With terminal block)		36g(With terminal block)	
Operating Temp	-40°C~+85°C					
Electrostatic Protection	15kV					
Surge Protection	600W/ms	1200W/ms	600W/ms			
Optical Isolation	/	2.5kV	/	2.5kV		

Dimensions

Unit: mm



Ordering Information

Standard Model	Conversion Mode	Baud Rate	Isolation Protection	Power Input
CSE485-A	RS232 to RS485	300bps~115.2kbps	Non-Isolated	Port-powered
CSE485-B	RS232 to RS485	300bps~38.4kbps	Isolated	External DC5V
CSE485-C	RS232 to RS485/422	300bps~115.2kbps	Non-Isolated	Port-powered
CSE485-D	RS232 to RS485/422	300bps~38.4kbps	Isolated	External DC5V
CSE485-E	RS232 to RS485/422	300bps~38.4kbps	Isolated	Port-powered
CSE485-F	RS232 to RS485	300bps~57.6kbps	Isolated	Port-powered

Contact Us

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