

CS-428/9AT-ISO v2.0

RS232 to RS422/485 Converter



CS-428/9AT-ISO converts RS232 signals to RS422 or 485. It is an efficient solution for applying advantages of RS422/485 to legacy RS232 devices. The converter operates with no extra software installation, and with simple DIP switch toggling, RS422 or RS485 can be selected. CS-428/9AT-ISO v2.0 has isolation protection so two electric circuits are completely isolated from each other. Also, the product is fully compatible with serial COM port in PC.

CS-428/9 AT-ISO : DB-9 connector, Auto Toggling support, isolation, serial port power

Features

Beyond the Limits of RS232

You can overcome the short communication distance by converting RS232 signal to RS422 or RS485, extending up to 1.2Km. Multi-drop function enables 1:10 communication in RS422 and bus scheme enables 32:32 communication in RS485.

Automatic Toggling

Under 1:N communication environment, it is undesirable that multiple devices send data at once, causing electrical collision that leads to an error. In order to prevent this, only one device needs to send data at a time, which means data I/O toggling is necessary at certain points. CS-428 performs automatic toggling by hardware, saving extra programming work.

2.5KV Isolation protection

CS-428 9AT-iso uses 2.5KV Photo coupler so that two electric circuits are completely isolated from each other.

CS-428 Specifications

Communication



| | |
|------------------|--|
| Mode | Asynchronous serial communication |
| Speed | Max 230.4Kbps |
| Distance | Max 1.2Km |
| Connector | 1 RS422/485 port (Terminal block for cable connection) 1 RS232 port (DB-9 Female) |

Hardware

| | |
|-------------------|--|
| Dimension | 75(W) * 37(D)* 19(H)mm (CS-428/9 AT) |
| Weight | 33g |
| LED | Power, Tx, Rx |
| Power | DC7-12V power adapter Serial port power |
| Protection | 15KV Built-in Surge Protector, 2.5KV Isolation protection |

Note

| | |
|----------------------|---|
| Additional | Echo mode supported, serial port power (CS-428/9 AT) |
| Documentation | User Manual |