

# CS-428/9AT-mini2

## RS232 to RS422/485 Converter

CS-428 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. Also, the product is fully compatible with serial COM port in PC.



### 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.

#### **No Power Required**

No extra power supply is required, making the operation simple and easy. When using external power, 7 ~ 12V DC adapter is required.

#### **Comfortable Dip switch**

There is comfortable Dip switch to control option of converter.

## ● CS-428/9AT-mini2 Specifications

### Communication

<b>Mode</b>	Asynchronous serial communication
<b>Speed</b>	Max 921.6
<b>Distance</b>	Max 1.2Km
<b>Connector</b>	1 RS422/485 port (Terminal block for cable connection) 1 RS232 port (DB-9 Female : CS-428/9AT-mini2)

### Hardware

<b>Dimension</b>	34.35(W) x 35.87(D) x 16.5(H)mm
<b>Weight</b>	20g
<b>LED</b>	TXD, RXD,PWR
<b>Power</b>	w/o Power Adapter - RS232 TXD,RTS,DTR signal w/ Power Adapter: - Voltage: 7~12V DC - Polarity-Independent
<b>Protection</b>	15KV surge protector
<b>Operating Temperature</b>	-40 ~ 85℃
<b>Humidity</b>	5 ~ 95% Non-condensing

### Note

<b>Additional</b>	Echo mode supported
<b>Documentation</b>	User Manual