

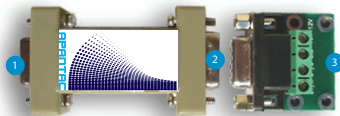
## MT HOOD

### Mini Converters / Extenders



**CRS232-485**  
Compact  
Port Powered  
RS232 to RS485  
Converter

#### CRS232-485

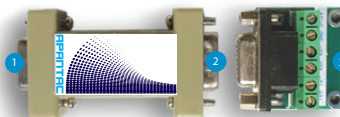


- 1 RS232 - DB9 Female
- 2 RS485 - DB9 Male
- 3 Terminal Block

- Plug and play - easy to install
- Compact
- Port powered
- Point to multipoint
- No software required
- Auto-sensing serial rate, zero delay

**CRS232-422**  
Compact  
Port Powered  
RS232 to RS422  
Converter

#### CR232-422



- 1 RS232 - DB9 Female
- 2 RS422 - DB9 Male
- 3 Terminal Block

- Plug and play - easy to install
- Compact
- Convert RS232 Tx and Rx signal into full-duplex RS422 mode
- Point to multipoint
- No software required

**ERS232**  
Compact  
Port Powered  
RS232  
Extender

#### ERS232



- 1 RS232 - DB9 Female
- 2 RS232 - DB9 Male

- Extend RS232 signals up to 2km (1.3miles)
- Port powered
- Auto-sensing serial rate
- No software required
- Isolated serial device

## MT HOOD

### Mini Converters / Extenders

#### SPECIFICATIONS

MODEL	CRS232-485	CRS232-422	ERS232
<b>Description</b>	RS232 to RS485 Converter	RS232 to RS422 Converter	RS232 Extender
<b>Standard</b>	According to EIA RS232, RS485 standard	According to EIA RS232, RS422 standard	According to EIA RS232, RS422 standard
<b>RS232 Signal</b>	Tx, Rx, GND	Tx, Rx, GND	Tx, Rx, GND
<b>RS485 Signal</b>	D+, D-, GND	n/a	n/a
<b>RS422 Signal</b>	n/a	D+, D-, GND	n/a
<b>Working Format</b>	Asynchronous, point to point or point to multi-point, 2 wire half-duplex	Asynchronous, point to point or point to multi-point, 4 wire half-duplex	Asynchronous, point to point or point to multi-point, 4 wire half-duplex
<b>Direction</b>	Automatically send data control, auto distinguish and sense direction on data transfer	Automatically send data control, auto distinguish and sense direction on data transfer	n/a
<b>Baud Rate</b>	300-115200 bps, auto sense serial signal rate	300-115200 bps, auto sense serial signal rate	300-115200 bps, auto sense serial signal rate
<b>Loading</b>	Supports 32 point loopback	Supports 32 point loopback	n/a
<b>Transmission</b>	RS485 - 1200 meters (9600bps) RS232 - less than 5 meters	RS422 - 1200 meters (9600bps) RS232 - less than 5 meters	RS422 - 1200 meters (9600bps) RS232 - less than 5 meters
<b>Port Protection</b>	600W surge protection, 15KV static protection	600W surge protection, 15KV static protection	600W surge protection, 15KV static protection
<b>Operation Temperature</b>	-40C/F° to 80C°/176F°	-20C°/-4F° to 65C°/149F°	-40C/F° to 80C°/176F°
<b>Storage Temperature</b>	-40C/F° to 85C°/185F°	-40C/F° to 85C°/185F°	-40C/F° to 85C°/185F°
<b>Relative Humidity</b>	5% to 95%	5% to 95%	5% to 95%
<b>Weight</b>	40 g	40 g	40 g
<b>Dimension</b>	90 x 33 x 16.5 mm	90 x 33 x 16.5 mm	72 x 33 x 16.5 mm