



# RS232 to RS485 CONVERTER

The versatile RS-232 Async Multidrop Line Driver is an RS-232 to RS-485 interface converter that operates much like a short haul modem. You can transmit data over much longer distances than is normally possible. You can also multidrop applications, as well as point-to-point. In fact, you can daisy-chain these drivers and run up to 32 devices on a wire pair. And at 64 Kbps, your async data moves quickly.

??RS-232 to RS-485 conversion using 2-wire half duplex.

??Multidrop up to 32 devices.

??Drivers are enabled by data—no RTS control necessary.

??Built in surge and lightning protection on RS-485 lines.

??RS-485 lines can be up to 2000 metres long.

??Can be powered from DC or AC power supplies of 8 to 25 volts.

## SPECIFICATIONS

**Model:** ACC6500

**Protocol:** Asynchronous

**Maximum Distance:** 2000 metres

**Operation:** 2-wire half duplex, point-to-point or multidrop

**Interface:** RS-232/V.24 and RS-485

**Connectors:** DB9 female RS-232 & RS-485;  
4-screw terminal block RS-485;  
3-screw terminal block power.

**Power:** 8-25 volts AC or DC @ 50mA

**Size:** 75 mm x 50 mm

## CONNECTIONS

### ***DB9 Female Connector***

pin 1 = RS-485 data -  
pin 2 = RS-232 data in  
pin 3 = RS-232 data out  
pin 4 = no connect  
pin 5 = ground  
pin 6 = RS485 data +  
pin 7 = link to pin 8  
pin 8 = link to pin 7  
pin 9 = power in (+8 to +25 volts DC)

### ***TB1 Terminal Block***

+RS485 =RS-485 data +  
+RS485 = RS-485 data +  
-RS485 = RS-485 data -  
-RS485 = RS-485 data -

### ***TB2 Terminal Block***

EARTH = connect to earth  
+AC = +volts DC or AC  
-AC = -volts DC or AC

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