

# RS-232 ↔ RS-485 Interface Converter



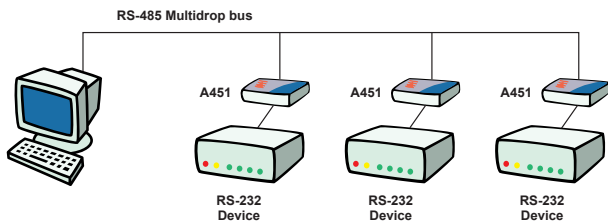
Multidrop up to 32 devices using standard RJ-45 Ethernet Cables

## ASeries A451

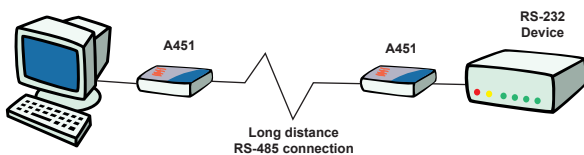


## Applications

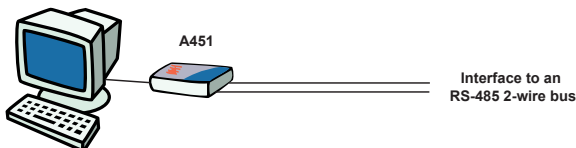
- The A451 interface converter may be used to connect any RS-232 device onto an RS-485 multidrop bus



- Use two A451 converters to connect RS-232 devices over a long distance using Ethernet cable



- Use an A451 converter as an interface to an RS-485 2-wire bus



- Monitor mode is a special 'bus snooping' setting that allows an installer or designer to look at what is happening on both pairs of a 4-wire RS-485 bus.

## Features

- Multidrop up to 32 drivers and 32 receivers at distances over 1200 metres
- Internal jumper settings allow the use of either 'standard' or 'crossed' Ethernet cables
- Supports both 4-wire and 2-wire operation
- Transient Protection on RS-485 lines
- Transmits data at up to 115Kbps
- Non-powered RS-485 operation over distances up to 100 metres
- Switchable DCE/DTE selection for RS-232 port
- Switchable termination resistors for RS-485 port
- RJ-45 connectors on RS-485 port
- LED indicators for data activity
- Monitor mode allows problem diagnosis on the RS-422/485 bus
- CE and C-Tick Approved
- Very LOW COST - Very BIG FEATURES

## Specifications - ASeries A451

RS-232 Port: Asynchronous RS-232  
DB-25 female connector  
Switch Selectable DCE/DTE  
Transfer up to 64Kbps

RS-485 Port: RJ-45 Input & Output connectors  
Switchable 120Ω termination

Protection: Transient Voltage Suppression Diodes  
RS-485 - Transmit Data Lines  
- Receive Data Lines

LED Indicators: Receive Data RS-232  
Receive Data RS-485

Power Supply: 9V (200mA) DC  
Reverse Polarity Protection  
Non-powered up to 100 metres (point-to-point only)

Dimensions: 84mm x 58mm x 23mm

Weight: 160 grams

*All Specifications subject to change without notice*



Alfatron Pty Ltd ACN 005 410 819  
PO Box 4161  
Unit 9, 36 New St.  
Ringwood VIC 3134 AUSTRALIA  
Tel: +61-3-9876 9011 Fax: +61-3-9876 9044  
Email: sales@alfatron.com.au Web Site: www.alfatron.com.au



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