

A52/53

RS-232 to RS-422/485 Converter

Features

- ADDC™ (Automatic Data Direction Control) RS-485 data control
- Auto Baud Rate Sensing
- RS-422 hardware flow control: CTS, RTS signals
- LED indicators for power and signal state
- RS-485 multidrop operation up to 32 nodes
- Surge protection, 25 KV ESD
- 2 KV Isolation Protection (A53)
- Built-in termination resistors



Introduction

A52/53 is a general RS-232 to RS-422/485 converter designed for users who need an interface conversion product to extend RS-

232 transmission distance and increase networking capability.

Specifications

Communications

RS-232 Signals: Tx, Rx, DTR, DSR, RTS, CTS, DCD, GND (RJ45)

RS-422/485:

Supports RS-422, 2-wire RS-485 (DIP Switch selectable)

Supports 4-wire RS-422, up to 10 nodes, 1.2 km with RTS, CTS

Supports 2-wire RS-485, up to 32 nodes, 1.2 km

RS-485 Data Direction Control: ADDC™

Surge Protection: 25 KV ESD

Isolation: 2 KV (A53), Power/Signal

Environmental

Operating Temperature: 0 to 55°C

Storage Temperature: -20 to 75°C

Humidity: 5 to 95% RH

Power

Input Power Voltage: 9 to 30 VDC, 350 mA

Over Current Protection:

Protection against 2 signals shorted together

Power Consumption: A52: 170 mA

A53: 285 mA

Mechanical

Dimensions (W x D x H): 90 x 60 x 21 mm

Color: White

Weight: 85±5g

Regulatory Approvals

CE, FCC (Class B)

Ordering Information

A52: RS-232 to RS-485 Converter w/25 KV ESD Surge Protection

A53: RS-232 to RS-485 Converter w/25 KV ESD Surge Protection & 2 KV Isolation

A52/110V or A52/230V: A52 w/ 110V or 230V Power Adaptor

A53/110V or A53/230V: A53 w/ 110V or 230V Power Adaptor