

# ADAM-4510

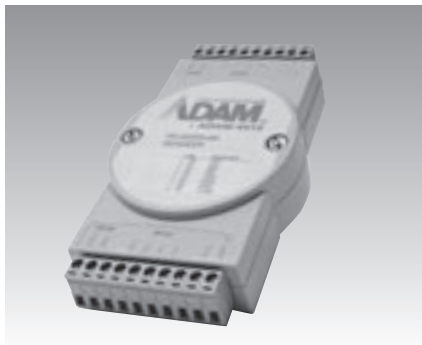
# ADAM-4520/4522

# ADAM-4521

RS-422/485 Repeater

RS-232 to RS-422/485 Converters

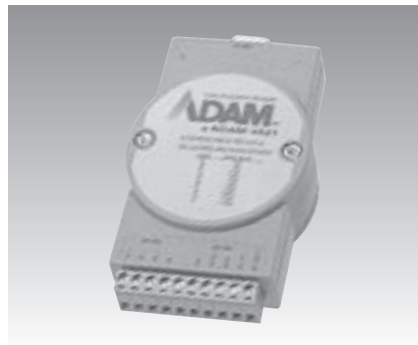
Addressable RS-422/485 to  
RS-232 Converter



ADAM-4510



ADAM-4520/4522



ADAM-4521



## Specifications

### General

- **Connectors** 2 x Plug-in terminal blocks (#14 ~ 22 AWG)
- **Isolation Protection** 3000 V<sub>DC</sub> (ADAM-4510S only)
- **Power Consumption** 1.4 W @ 24 V<sub>DC</sub>

### Communications

- **Input** RS-485 (2-wire) or RS-422 (4-wire)
- **Output** RS-485 (2-wire) or RS-422 (4-wire).
- **Speed Modes (bps)** 1200, 2400, 4800, 9600, 19.2 k, 38.4 k, 57.6 k, 115.2 k, RTS control and RS-422. (switchable)

### Environment

- **Operating Temperature**  
ADAM-4510/4510S: -10 ~ 70° C (14 ~ 158° F)  
ADAM-4510I: -40 ~ 85° C (-40 ~ 185° F)
- **Storage Temperature**  
ADAM-4510/4510S: -25 ~ 85° C (-13 ~ 185° F)  
ADAM-4510I: -40 ~ 85° C (-40 ~ 185° F)

## Specifications

### General

- **Connectors** 1 x Plug-in terminal block (#14 ~ 22 AWG) (RS-422, RS-485)  
1 x DB9-F (RS-232)
- **Isolation Protection** 3000 V<sub>DC</sub> (4520 only)
- **Power Consumption** 1.2 W @ 24 V<sub>DC</sub>

### Communications

- **Input** RS-232 (4-wire)
- **Output** RS-485 (2-wire) or RS-422 (4-wire).
- **Speed Modes (bps)** 1200, 2400, 4800, 9600, 19.2 k, 38.4 k, 57.6 k, 115.2 k, RTS control and RS-422. (switchable)

### Environment

- **Operating Temperature**  
ADAM-4520/4522: -10 ~ 70° C (14 ~ 158° F)  
ADAM-4520I: -40 ~ 85° C (-40 ~ 185° F)
- **Storage Temperature**  
ADAM-4520/4522: -25 ~ 85° C (-13 ~ 185° F)  
ADAM-4520I: -40 ~ 85° C (-40 ~ 185° F)

## Specifications

### General

- **Connectors** 1 x Plug-in terminal block (#14 ~ 22 AWG) (RS-422, RS-485)  
1 x DB9-F (RS-232)
- **Power Consumption** 1.0 W @ 24 V<sub>DC</sub>

### Communications

- **Built-in microprocessor and watchdog timer**
- **RS-232 and 485 can be set to different baudrates**
- **RS-485 surge protection and automatic RS-485 data flow control**
- **Software configurable to either addressable or non-addressable mode**
- **Speed Modes (bps)** 300, 600, 1200, 2400, 4800, 9600, 19.2 k, 38.4 k, 57.6 k, 115.2 k (software configurable)

### Environment

- **Operating Temperature** -10 ~ 70° C (14 ~ 158° F)
- **Storage Temperature** -25 ~ 85° C (-13 ~ 185° F)

## Common Specifications

### General

- **Dimensions (W x H x D)** 70 x 122 x 30 mm
- **Enclosure** ABS + PC
- **Mounting** DIN 35 rail, stack, wall
- **Power Input** Unregulated 10 ~ 30 V<sub>DC</sub> w/power reversal protection

### Environment

- **Humidity** 5 ~ 95% RH

## Ordering Information

- **ADAM-4510** RS-422/RS-485 Repeater
- **ADAM-4510S** Isolated RS-422/RS-485 Repeater
- **ADAM-4510I** Robust Isolated RS-422/485 Repeater
- **ADAM-4520** Isolated RS-232 to RS-422/RS-485 Converter
- **ADAM-4520I** Robust Isolated RS-232 to RS-422/485 Converter
- **ADAM-4521** Addressable RS-422/485 to RS-232 Converter
- **ADAM-4522** RS-232 to RS-422/485 Converter