

# ADAM-4510/S

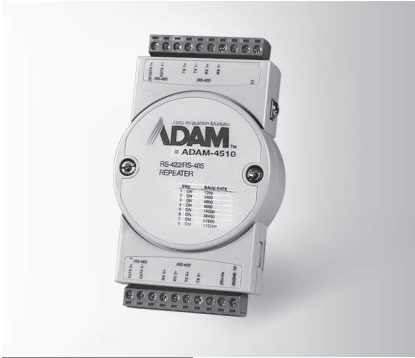
# ADAM-4520

# ADAM-4521

RS-422/485 Repeater

Isolated RS-232 to RS-422/485 Converter

Addressable RS-422/485 to RS-232 Converter



ADAM-4510/4510S FCC CE RoHS COMPLIANT 2002/95/EC



ADAM-4520 FCC CE RoHS COMPLIANT 2002/95/EC



ADAM-4521 UL 95 RoHS COMPLIANT 2002/95/EC

## Specifications

### General

- **Connectors** 2 x plug-in terminal blocks (#14 ~ 22 AWG) (RS-422/485)
- **Isolation Voltage** 3,000 V<sub>DC</sub> (ADAM-4510S)
- **Power Consumption** ADAM-4510  
Typical: 1.1 W @ 24 V<sub>DC</sub>  
Max.: 1.2 W @ 24 V<sub>DC</sub>  
ADAM-4510S  
Typical: 1.5 W @ 24 V<sub>DC</sub>  
Max.: 1.6 W @ 24 V<sub>DC</sub>

### Serial Communications

- **Input** RS-485 (2-wire) or RS-422 (4-wire)
- **Output** RS-485 (2-wire) or RS-422 (4-wire)
- **Speed Modes (bps)** 1,200, 2,400, 4,800, 9,600, 19.2 k, 38.4 k, 57.6 k, 115.2 k, RTS control and RS-422 (switchable)

## Specifications

### General

- **Connectors** 1 x plug-in terminal block (#14 ~ 22 AWG) (RS-422/485)  
1 x DB9-F (RS-232)
- **Isolation Voltage** 3,000 V<sub>DC</sub>
- **Power Consumption** Typical: 0.8 W @ 24 V<sub>DC</sub>  
Max.: 1 W @ 24 V<sub>DC</sub>

### Serial Communications

- **Input** RS-232 (DB9)
- **Output** RS-485 (2-wire) or RS-422 (4-wire)
- **Speed Modes (bps)** 1,200, 2,400, 4,800, 9,600, 19.2 k, 38.4 k, 57.6 k, 115.2 k, RTS control and RS-422 (switchable)

## Specifications

### General

- **Connectors** 1 x plug-in terminal block (#14 ~ 22 AWG) (RS-422/485)  
1 x DB9-F (RS-232)
- **Isolation Voltage** 1,000 V<sub>DC</sub>
- **Power Consumption** 1.0 W @ 24 V<sub>DC</sub>
- **Built-in microprocessor and watchdog timer**

### Serial Communications

- **Input** RS-485 (2-wire) or RS-422 (4-wire)
- **Output** RS-232 (DB9)
- **Speed Modes (bps)** 300, 600, 1,200, 2,400, 4,800, 9,600, 19.2 k, 38.4 k, 57.6 k, 115.2 k (software configurable)
- **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**

## Common Specifications

### General

- **Power Input** Unregulated 10 ~ 30 V<sub>DC</sub> w/ power reversal protection

### Environment

- **Operating Humidity** 5 ~ 95% RH
- **Operating Temperature** -10 ~ 70°C (14 ~ 158°F)
- **Storage Temperature** -25 ~ 85°C (-13 ~ 185°F)

## Ordering Information

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