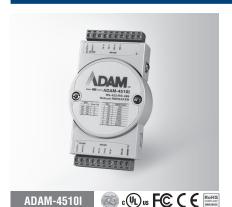
# ADAM-4510I ADAM-4520I ADAM-4117

### **Robust RS-422/485 Repeater**

Robust RS-232 to RS-422/485 Converter Robust 8-ch Analog Input Module with Modbus







### **Specifications**

#### General

Connectors
 2 x plug-in terminal blocks
 (#14 ~ 22 AWG)

■ 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)** 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)

Supports Auto Baud-Rate

Provide RS-485 to RS-422 Convert Ability

### **Specifications**

#### General

• Connectors 1 x plug-in terminal block (#14 ~ 22 AWG)

(RS-422/485) 1 x DB9-F (RS-232)

■ Power Consumption 1.2 W @ 24 V<sub>DC</sub>

#### **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)

Supports Auto Baud-Rate

FCC, CE, UL, UL Class I, Division 2, Groups A,B,C,D Hazardous Location

Unregulated 10 ~ 48 V<sub>DC</sub> w/power reversal protection

### **Specifications**

#### General

■ **Connectors** 2 x plug-in terminal blocks (#14 ~ 22 AWG)

(#14 ~ 22 AWG)
System (1.6 second) &
Communication

Supported Protocols ASCII Command and Modbus/RTU

Power Consumption 1.2 W @ 24 V<sub>DC</sub>
 Interface (B version) RS-485,micro USB

#### **Analog Input**

Input Type

Watchdog Timer

• **Channels** 8 differential and independent configuration

channels

• Input Impedance Voltage: 800 KΩ

Current: 120 Ω mV, V (supports

unipolar and bipolar), mA
• Input Range 0 ~ 150mV, 0 ~ 500mV,

0 ~ 150mV, 0 ~ 500mV, 0 ~ 1V, 0 ~ 5V, 0 ~ 10V, 0 ~ 15V, ±150 mV, ±500 mV, ±1V, ±5 V, ±10 V, ±15V, ±20 mA, 0 ~ 20 mA, 4 ~ 20mA

10/100 samples/sec

Accuracy

Sampling Rate

Voltage mode : ±0.1% or better
Current mode : ±0.2% or better

• Resolution 16-bit

(selected by utility)

CMR @ 50/60 Hz 92 dB

• CMR @ 50/60 Hz 92 dB • NMR @ 50/60 Hz 60 dB

■ Over Voltage Protection ±60 V<sub>DC</sub>

High Common Mode 200 V<sub>DC</sub>

• **Span Drift** ±25 ppm/°C (Typical)

Zero Drift ±6μV/°C
 Built-in TVS/ESD Protection

### Ordering Information

ADAM-4510I

Robust RS-422/485 Repeater

ADAM-4520I

Robust RS-232 to RS-422/485 Converter

ADAM-4117

Robust 8-ch Analog Input Module with Modbus

Supports Noise Rejection

EnvironmentOperating Humidity

General

Certification

Power Input

Isolation Voltage

5 ~ 95% RH

3,000 V<sub>DC</sub>

Operating Temperature - 40 ~ 85°C (-40 ~ 185°F)
 Storage Temperature - 40 ~ 85°C (-40 ~ 185°F)

■ Storage Temperature - 40 ~ 85°C (-40 ~ 185°F)

**Common Specifications** 

AD\ANTECH

RS-485 I/O Modules: ADAM-4000

All product specifications are subject to change without notice.

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ADAM-4520I-AE