ADAM-4510I **ADAM-45201** 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_{DC}

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_{DC}

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

Specifications

General

Connectors 2 x plug-in terminal blocks (#14 ~ 22 AWG) Watchdog Timer System (1.6 second) &

Communication Supported Protocols ASCII Command and Modbus/RTU

■ Power Consumption 1.2 W @ 24 V_{DC} • Interface (B version) RS-485, micro USB

Analog Input

Channels 8 differential and independent configuration

channels

Voltage: 800 KΩ Input Impedance

Current: 120 Ω

Input Type mV, V (supports

unipolar and bipolar), mA 0 ~ 150mV, 0 ~ 500mV, $0 \sim 1V$, $0 \sim 5V$, $0 \sim 10V$,

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

Accuracy

Input Range

Voltage mode: ±0.1% or better Current mode: ±0.2% or better 16-bit

Resolution

Sampling Rate 10/100 samples/sec (selected by utility)

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

Over Voltage Protection $\pm 60~V_{DC}$

High Common Mode 200 V_{DC}

Span Drift ±25 ppm/°C (Typical)

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

Ordering Information

 ADAM-4510I Robust RS-422/485 Repeater

ADAM-45201 Robust RS-232 to RS-422/485 Converter ADAM-4117 Robust 8-ch Analog

Input Module with Modbus

Common Specifications

General

 Power Input Unregulated 10 ~ 48 V_{DC} w/power reversal protection Isolation Voltage 3,000 V_{DC}

Environment

 Operating Humidity 5~95% RH

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

Supports Noise Rejection