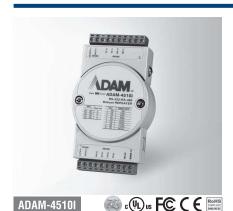
ADAM-4510I ADAM-4520I ADAM-4117

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_{DC}
 Certification FCC, CE, UL, UL C1D2

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,

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}

 Certification
 FCC, CE, UL, UL C1D2

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
 FCC, CE

Analog Input

■ Channels 8 differential and independent configuration channels
■ Input Impedance 20 MΩ
■ Input Type mV, V, 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

Accuracy

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

Resolution 16-bit

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

CMR @ 50/60 Hz 92 dB
 Over Voltage Protection ±60 V_{DC}
 High Common Mode 200 V_{DC}

■ Span Drift $\pm 25 \text{ ppm/°C (Typical)}$ ■ Zero Drift $\pm 6\mu\text{V/°C}$

Built-in TVS/ESD Protection

Common Specifications

General

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

Ordering Information

ADAM-4510I-AE Robust RS-422/485 Repeater

ADAM-4520I-AE Robust RS-232 to

RS-422/485 Converter

ADAM-4117-C
 Robust 8-ch Analog
 Input Module with

Modbus