ADAM-4510/S
ADAM-4520
ADAM-4521

RS-485 I/O Modules: ADAM-4000

RS-422/485 Repeater
Isolated RS-232 to RS-422/485 Converter
Addressable RS-422/485 to RS-232 Converter

Specifications

General
- Connectors: 2 x plug-in terminal blocks (#14 – 22 AWG) (RS-422/485)
- Isolation Voltage: 3,000 Vdc (ADAM-4510S)
- Power Consumption:
  - ADAM-4510: Typical: 1.1 W @ 24 Vdc
    Max.: 1.2 W @ 24 Vdc
  - ADAM-4510S: Typical: 1.5 W @ 24 Vdc
    Max.: 1.6 W @ 24 Vdc

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)
- Isolation Voltage: 3,000 Vdc (ADAM-4510S)
- Power Consumption:
  - Typical: 0.8 W @ 24 Vdc
  - Max.: 1 W @ 24 Vdc

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)
- Isolation Voltage: 1,000 Vdc
- Power Consumption: 1.0 W @ 24 Vdc
- Built-in microprocessor and watchdog timer

Serial Communications
- Input: RS-485 (2-wire) or RS-422 (4-wire)
- Output: RS-422 (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 Vdc 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
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All product specifications are subject to change without notice. Last updated: 26-Mar-2021
Mouser Electronics

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Advantech:

ADAM-4520-EE  ADAM-4520-F