ADAM-4000

Product Data Sheet

ADAM-4520

Isolated serial interface converter

INPUT INTERFACE	OUTPUT INTERFACES	ISOLATION VOLTAGE	SUPPLY VOLTAGE
RS-232	**RS-422 or RS-485**	**3000 V DC**	**10 to 30 V DC**

The Advantech ADAM-4520 is an isolated serial interface converter for connecting an RS-232 port to RS-422 or RS-485 wiring. It supports selectable data rates from 1200 bps to 115.2 kbps and automatic RS-485 data direction control.

01 TECHNICAL DATA

Input interface	RS-232
Output interfaces	RS-422 or RS-485
Isolation voltage	3000 V DC
Supply voltage	10 to 30 V DC
Selectable baud rate	1200 bps to 115.2 kbps
RS-232 connector	DB9 female
RS-422/485 connector	10-pin plug-in screw terminal
RS-485 direction control	Automatic or RTS
Character length	9, 10, 11 or 12 bits
Default baud rate	9600 bps

02 ADDITIONAL PRODUCT DATA

Default character length	10 bits
Operating temperature	-10 to +70 deg C
Storage temperature	-25 to +85 deg C
Operating humidity	5 to 95% RH, noncondensing
Mounting options	Panel, DIN rail or stack

03 PRODUCT FUNCTION

The module accepts 10 to 30 V DC and provides 3000 V DC isolation. A female DB9 connector serves the RS-232 side, while a removable screw terminal carries the RS-422 or RS-485 connections. Internal switches set the operating mode, baud rate and character length.

04 SYSTEM COMPATIBILITY

Match the converter and connected ports for baud rate and character length. The startup manual gives 9600 bps and 10 bits as the default settings.

05 REFERENCE

Advantech ADAM-4510/4510S/4520 Startup Manual, Edition 9

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