

AD2081 Series

RS-232 PORT EXPANDER



The AD2081 is used to expand a single RS-232 port on a matrix switching system to four ports. Each of the four ports then has an alphanumeric designation such as 1a, 1b, 1c and 1d.

The Port Expander is compatible with the full range of American Dynamics Matrix
Switcher/Controller Systems and Keyboards as well as accessory products such as the Alarm
Interface Unit.

The AD2081 series is installation friendly, utilizing RJ-45 connectors for all device connections. It can be mounted virtually anywhere with the high-strength Velcro pads. Power on status and RS-232 activity is indicated with easy to see LEDs.

FEATURES

- 4 RS-232 device ports and 1 CPU port
- Selectable baud rate via dip switches
- Status LEDs on front and back of unit
- Installation friendly RJ-45 connections

SPECIFICATIONS

Model Numbers

Product Compatibility

MegaPower 1024 (AD1024) Matrix Switcher (all versions)

MegaPower 48 Matrix Switcher (all versions)

MegaPower 168 (AD168) Matrix Switcher (all versions)

AD2150 Matrix Switcher (all versions)

MP1000cc, AD2088, and ADTTE series keyboards AD1024DBVL Data Buffer with Video Loss detection

AD2096 Series Alarm Interface Units

Connectors

Power	2-pin removable plug connector
RS-232 - System	1 RJ-45
RS-232 - Device	4 RJ-45

Electrical

Supply Voltage

AD2081120/230 VAC, 50/60 Hz

Power Consumption3.4 W (nominal)

8-12 VAC @ 0.5 Amps max. 230 V Version

Baud Rate Table

Switch 1 Position	Switch 1 Position	CPU Baud Rate	External Device Baud Rate
on	on	38400	9600
on	off	19200	4800
off	on	9600	2400
off	off	4800	1200

Mechanical

 $\begin{tabular}{lll} Mounting: & Wall or Rack, using Velcro strips provided & with unit \\ Dimensions & 8.1 x 5.2 x 1.2 in (20.6 x 13.3 x 2.9 cm) \\ Weight & 1.3 lb (0.6 kg) \\ Shipping Weight & 3.0 lb (1.4 kg) \\ Construction & Metal Case \\ \end{tabular}$

Environmental

ColorBlack

Regulatory

Emissions ... FCC Part 15, Subpart B Class A
CE: EN55022 class B
Immunity ... CE: EN50130-4
Safety ... CE and UL approved external transformers
supplied with units

Basic System Diagram

